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# WEEKLY WEATHER REPORT, MAP SHOWING DISTRICTS AND STATIONS DECEMBER 1914.

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# THE METEOROLOGICAL OFFICE.

## BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1914.

## PART I.

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THE

# WEEKLY WEATHER REPORT

(VOL. XXXI.—NEW SERIES).

**SECTION 1.—Particulars of Temperature, Rainfall and Bright Sunshine for each week, with quarterly and annual summaries, and an annual table of weekly and progressive values.**

Published by the Authority of the Meteorological Committee.

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# BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1914, PARTS I. & II.

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Issued as a Supplement to the Weekly Weather Report and forming Part II. of the British Meteorological and Magnetic Year Book.

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MONTHLY WEATHER REPORTS.

ANNUAL SUMMARY, WITH SUMMARY OF GALES AND WIND AS RECORDED AT ANEMOGRAPH STATIONS DURING 1914.

# PREFACE.

The Weekly Weather Report was issued during 1914 in the same form as in the preceding year.

It consists of two sections. Section I. contains mean values of temperature, rainfall and sunshine for districts and for stations in the British Isles, and other information as set out below, with appendices. Section II. consists of daily weather charts of the North Atlantic and surrounding continents.

The general arrangement of the weekly issues of Section I. of the Report is as follows :—

I*a*. Remarks on the wind and weather of the week.

*b*. Character of the Week, the Season, and past Seasons in respect of Warmth, Rainfall and Sunshine, for each of the twelve districts of the British Isles.

II. Weekly Summary of temperature, including temperature on the grass and in the ground ; rainfall and sunshine, arranged under **Stations.**

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IV. Summary of Wind Records from Pressure Tube Anemographs.

V. Summaries for the current **Week,** the current **Season** to date, and the current **Year** to date arranged under **Districts.**

I*a*. The **REMARKS** give an account in ordinary language of the weather of the week.

I*b*. The character of the week as regards warmth, rainfall, and sunshine in each district is set out in tabular form. The code used is explained at the foot of the table. It may be summarised thus :—

CODE FOR WEATHER CHARACTER.

| Frequency. | Warmth. | Rainfall. | Sunshine. |
|---|---|---|---|
| 1 year in 3 { 1 in 12 ... ... | Very Unusual. | Very Heavy. | Very Abundant. |
| 1 year in 3 { 1 in 4 ... ... | Unusual. | Heavy. | Abundant. |
| 1 year in 3 ... ... ... | Moderate. | Moderate. | Moderate. |
| 1 year in 3 { 1 in 4 ... ... | Deficient. | Light. | Scanty. |
| 1 year in 3 { 1 in 12 ... ... | Very Deficient. | Very Light. | Very Scanty. |

The observations on which the estimates of frequency are based cover the period 1881–1905. An account of the methods of determining the limits of the various classes is given in a paper by R. G. K. Lempfert : "A New Method of Treating Meteorological Statistics." Journal of the Board of Agriculture, Vol. XIV., No. 1, April, 1907. More details will be given in the Report on the Seasons of the British Isles which is now in preparation.

The meteorological character of the current season and of the last four completed seasons is summarised in a table giving for each season the number of occasions on which the warmth, rainfall, and sunshine for a week were outside the limits of the moderate class on one side or the other.

II. **WEEKLY SUMMARY FOR STATIONS.**—This Table contains the data from which the district averages in Table V. and the characters in Table I*b*. are found. Results from some stations are included although they are not used for the calculation of district averages. Such stations are shown in italics. It should be noted that the District Value Stations for temperature and rainfall and for sunshine, are not in all cases identical.

The Table also includes the lowest temperatures reached on the grass during the week and the number of times when ground frost (defined for this purpose as a temperature of 30° or lower) occurred at each station. The mean temperatures in the ground at depth of 1 foot and 4 feet are given where possible.

III. **SEA TEMPERATURE.**—This Table, which has been included since the commencement of 1907, gives the mean temperature of the surface of the sea, at a selection of stations on the coast of the British Islands, with the highest and lowest readings. A column showing the differences from the average of the mean values for the week has been included since the beginning of 1912.

The Summary for the year will be found on the last page of this Preface.

IV. **SUMMARY OF WIND RECORDS** from Pressure Tube Anemographs. This table gives for a number of anemograph stations the duration in hours of winds of gale force (force 8 or above), of high winds (forces 6 and 7), of fresh or moderate winds (forces 4 and 5), and of calms and light airs. The dates of occurrence of the gales and high winds are also given, together with particulars of the highest hourly velocity and the highest gust at each station during the week.

V. **WEEKLY SUMMARY FOR DISTRICTS.**—The Tabular Summary on the fourth page of each Report gives for each district :—

**Temperature.**—The highest and lowest observed for the week, the season, and the year, to date, the mean maximum, the mean minimum, the mean temperature for the week, and the difference of the mean temperature from the average for the corresponding period. Values for "accumulated temperature" above 42°F. and below 42°F. are given for the week and for the periods from the beginning of the season and of the year, and the differences from the average values for the corresponding periods. The averages* are derived from observations extending over the 25 years, 1881–1905. (The terms mean temperature and accumulated temperature are explained below.)

**Rainfall.**—The total fall and the number of rain-days for the week, and for the part of the season and year to date, together with the differences from average* for the corresponding periods based on observations from 1881–1905.

* For particulars of the method of computing average values for districts, *see* Preface to the Weekly Weather Report for 1907.

(6281—19.) Wt. 229—611. 450. 11/15. D & S. G. 17/ 40.

**Sunshine.**—The daily mean of the number of hours of bright sunshine as recorded by the Campbell-Stokes instrument; the same mean expressed as a percentage of the whole time during which the sun was above the horizon each day; also similar means and percentages for the current season and year to date, together with the differences between these values and the averages* for the corresponding periods in the 25 years 1881–1905.

## APPENDICES.

Appendix I. shows for each quarter and for the whole year (1) the number of rain-days, (2) the total rainfall and its percentage of the average, (3) the mean temperature and its difference from the average, (4) the duration of bright sunshine with the daily means and its percentage of the average. Figures are given for each of the six lustra in the period 1881–1910, and for the years 1911, 1912, 1913, 1914. The averages are computed in each case for the 30 years 1881–1910 and are printed in the Appendix. In years previous to 1911 the values (1), (2), (3), (4) were given for each individual year of the period since 1878.

Appendix II., the résumé of weekly values for districts, is published in the same form as in previous years.

## STATIONS AND DISTRICTS.

The stations used in the preparation of the Report are shown in the Frontispiece Map. Particulars of their altitudes, etc., will be found in the introduction to the Monthly Weather Report.

Some additions and alterations on the list may be noted.

*District* 1.—The Royal Observatory, **Edinburgh,** was added at the beginning of the year to the list of district value stations for sunshine, while weekly summaries of temperature and rainfall at Edinburgh are also printed, but not used for district values. The effect on the district value of sunshine for the year was to increase it by about 0·5 per cent.

*District* 2.—The "district-value" station situated at **North Shields** was transferred to the Coast Guard at **Tynemouth** at the end of June, and from the twenty-sixth week the summaries of temperature and rainfall have been derived from observations made at Tynemouth. The averages used throughout the year have been those for North Shields.

Weekly summaries of sunshine at Tynemouth have also been given, but they have not been used for the computation of district values.

*District* 4.—A sunshine recorder was installed at **Raunds** at the beginning of the year, but the summaries of sunshine printed weekly are not used for the computation of district values. The effect on the district value of sunshine for the year was to diminish it by about 1 per cent.

Values of sunshine and ground temperature have been added for **Malvern** throughout the year.

*District* 7.—Summaries for **Southport** have been added throughout the year, but not used for the computation of district values.

Owing to a temporary break in the observations at **Bettws-y-Coed,** summaries from this station were not available at the beginning of the year for computing district values. The effect of the omission on the district values of rainfall would have been appreciable, because the station is situated in a locality of comparatively high rainfall. In order to compensate in part, the summaries from **Hawarden Bridge,** where the rainfall is comparatively light, have also been omitted from the computation of district values throughout the year. The rainfall district value for the year would be slightly reduced by the two changes; but the effect on the district value of temperature would be small.

*District* 9.—A sunshine recorder having been installed at **Malin Head,** weekly averages of sunshine are given from September, but they are not used in forming district values.

## DEFINITIONS OF MEAN TEMPERATURE AND ACCUMULATED TEMPERATURE.

### Daily Mean Temperature.

The true mean temperature for each day is not recorded at the majority of stations, and the mean is, therefore, estimated from the maximum and minimum temperatures for the day. The way in which these temperatures were correlated was found by General Strachey from a discussion of the records at Greenwich and the First Order Observatories of the Meteorological Office, and the following rule proposed by him has been adopted since 1884. (*See* Quarterly Weather Report, 1878, Appendix II.)

The approximate Mean Temperature for any week is found by multiplying the *difference* between the means of the seven observed maxima and minima by the proper coefficient for the month (shown in the following Table), and adding the product to the mean of the minima:—

| Months. | Coefficient. |
|---|---|
| January. December. | 0·520 |
| February. November. | 0·500 |
| March. October. | 0·485 |
| April. September. | 0·476 |
| May. August. | 0·470 |
| June. July. | 0·465 |

*Example:*

The mean maximum temperature for a week in December being ... 48°·1

The mean minimum ... ... ... ... ... ... ... 39°·3

The difference is ... ... ... ... ... ... ... ... 8°·8

This difference 8·8 × ·520 (the coefficient for December) = 4·6.

This value when added to the mean minimum (39·3) gives 43°·9, the required mean temperature of the week.

* For particulars of the method of computing average values for districts, *see* Preface to the Weekly Weather Report for 1907.

## Accumulated Temperature.

The Tables of Accumulated Temperature are designed to give persons engaged in agriculture better means of estimating the manner in which vegetation is affected by temperature than that afforded by the more usual methods of treating the readings of the thermometer. They show the combined amount and duration of the excess or defect of the air temperature, above or below a suitably fixed standard, or *base temperature*. For *Districts*, cumulative values for the whole period since the commencement of the season and the year are published in addition to the values for each week. The base temperature adopted is 42° F., as being nearly equivalent to 6° C. This has been considered by Continental writers on these subjects to be the critical value, the temperature above which is mainly effectual in starting and maintaining the growth, and in completing the ripening, of agricultural crops in a European climate. This base is also convenient as being 10° F. above the freezing point on the Fahrenheit scale.

The Accumulated Temperature is expressed in "Day-degrees,"—a Day-degree signifying 1° F. of excess or defect of temperature above or below 42° F. continued for 24 hours, or any other number of degrees for an inversely proportional number of hours.

When the temperature during any period remains either wholly above or below the base temperature, the difference between the base and the mean temperature of the day gives the correct accumulated temperature. In other cases this difference gives only an approximate value for the accumulated temperature, not departing greatly from the truth—the deviation depending on the greater or less extent of the variations of the temperature above or below the base. Further, since the mean between the maximum and minimum of any day is nearly equal to the mean temperature of the day, the difference of the mean of the maximum and minimum from the base will also give, directly, an approximation to the accumulated temperature for the day.

The following rules, however, supply a still closer approximation to the true values sought, and they have been adopted for the preparation of the Tables in this Report.

A full explanation of the principles on which these rules are based will be found in Appendix II. to the Quarterly Weather Report for 1878.; with slight modification of the numerical co-efficients the rules may be applied to any other base temperature as well as to 42° F.

### Rules for computing, for a Weekly Period, from the observed Maxima and Minima, the Accumulated Temperature above or below 42° F.

1. Obtain the mean temperature, from the means of the seven observed maxima and minima, in the manner already described for daily values.

2. In obtaining the accumulated temperature four cases may occur, to which the following rules will apply :—

| Conditions of Temperature. | To obtain the daily Accumulated Temperature. | |
|---|---|---|
| | Above 42° F. | Below 42° F. |
| If the minimum is *above* 42° F. or *equal* to 42° F. | Subtract 42° F. from the mean | There is none. |
| If the minimum is *below* 42° F., but the mean for the day is *above* 42° F. | From the difference between the mean for the day and the minimum deduct the accumulated temperature below 42° F., calculated as stated in the next column. | The required quantity is the excess of 42° F. over the minimum, multiplied by the coefficient 0·4. |
| If the mean for the day is *below* 42° F., but the maximum is *above* 42° F. | The required quantity is the excess of the maximum over 42° F., multiplied by the coefficient 0·4. | From the difference between the mean for the day and the minimum, deduct the accumulated temperature above 42° F., calculated as stated in the preceding column. |
| If the maximum is *below* 42° F. or *equal* to 42° F. | There is none. | Subtract the mean from 42° F. |

In each of the above cases the result will be the *average daily* value, and must be multiplied by 7 in order to obtain the value for the whole week.

## THE BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK.

For the convenience of libraries and others the various serial statistical publications of the Meteorological Office have been grouped together under the general title "British Meteorological and Magnetic Year Book."

The other parts are as follows :—

Part II.—Monthly Weather Report. Issued monthly on the 27th of each month, with an annual summary, as a supplement to the Weekly Weather Report. Price 6*d.* each issue.

Part III.—Section 1. Daily readings at stations of the First and Second Orders. Issued in Monthly Parts within about five weeks of the close of each month. Price 6*d.* each part. Annual Volume, 5*s.*

Section 2 The Geophysical Journal of the Observatories of the Meteorological Office. Issued in Monthly Parts. Price 1*s.* each part. Annual volume, 10*s.*

Part IV.—Section 1. Hourly Values from Autographic Records—Meteorological Section. Obtained from Self-recording instruments at three Observatories. Issued in monthly parts for each Observatory. Price 6*d.* each part. Annual volume, 20*s.*

Section 2. Hourly Values from Autographic Records—Geophysical Section. Published with an Introduction and Summary at the end of each year. Price :—1911, 5*s.* ; 1912, 3*s.*

Meteorological Office,
London, S.W.
5th November, 1915.

# WEEKLY WEATHER REPORT.

## CORRECTIONS AND ADDITIONS FOR 1914.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

| Number and Page of Report. | Numbers of Districts and Names of Stations. | TEMPERATURE. Highest observed. | Date. | Lowest observed. | Date. | Mean for the week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the week from Average. | Accumulated Heat for the week in Day-degrees. Above 42° | Below 42° | RAINFALL. No. of Rain-days. | Rainfall in the Week. | Difference from the Average. | BRIGHT SUNSHINE. Hours per Day. Daily Mean. | Difference from the Average. | Percentage of possible duration. | Difference from the Average. | TEMPERATURE ON GRASS. No. of obs. 30° or below. | Lowest Reading. | EARTH TEMPERATURE. 1 foot. Mean for week. | 1 foot. Difference from Average. | 4 feet. Mean for week. | 4 feet. Difference from Average. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **District Values. Corrections.** | | ° | | ° | | ° | ° | ° | ° | Day-deg. | Day-deg. | | Ins. | Ins. | Hrs. | Hrs. | % | % | | ° | ° | ° | ° | ° |
| No. 3, p. 12 .. | 4. Midland Counties | — | — | — | — | — | — | — | — | — | — | — | 0·01 | −0·43 | — | — | — | — | — | — | — | — | — | — |
| No. 4, p. 16 .. | 0. Scotland, N. .. | — | — | — | — | — | — | — | — | — | — | — | 3·34 | +1·71 | — | — | — | — | — | — | — | — | — | — |
| No. 6, p. 24 .. | 6. Scotland, W. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 1·7 | −0·5 | 19 | — | — | — | — | — | — | — |
| No. 8, p. 32 .. | 1. Scotland, E. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 2·5 | −0·2 | 25 | — | — | — | — | — | — | — |
| No. 10, p. 40 .. | 1. Scotland, E. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 4·0 | +0·9 | 36 | — | — | — | — | — | — | — |
| No. 11, p. 44 .. | 0. Scotland, N. .. | — | — | 25 | — | 43·9 | 34·6 | 39·1 | 0·0 | 5 | 26 | — | 0·83 | −0·23 | — | — | — | — | — | — | — | — | — | — |
| No. 12, p. 48 .. | 0. Scotland, N. .. | — | — | — | — | — | — | — | — | — | — | — | 0·25 | −0·68 | — | — | — | — | — | — | — | — | — | — |
| No. 13, p. 52 .. | 1. Scotland, E. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 5·1 | +0·8 | 40 | — | — | — | — | — | — | — |
| No. 13, p. 52 .. | 5. England, S.E. .. | — | — | — | — | — | — | — | — | — | — | — | 0·44 | +0·08 | — | — | — | — | — | — | — | — | — | — |
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| No. 32, p. 128 .. | 7. England, N.W. .. | — | — | — | — | — | — | — | — | — | — | — | 0·08 | −0·69 | — | — | — | — | — | — | — | — | — | — |
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| No. 1, p. 2 .. | Brighton .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 1·6 | 0·0 | 20 | — | — | — | 43·2 | — | — | — |
| No. 4, p. 14 .. | Glencarron .. .. | 54 | 31st | 31 | 27th | 47·0 | 34·7 | 41·1 | +4·5 | 14 | 31 | 7 | 5·89 | +3·72 | — | — | — | — | — | — | — | — | — | — |
| No. 8, p. 30 .. | Marchmont .. .. | 50 | 28th | 30 | 22, 26 | 46·7 | 32·1 | 39·4 | +2·0 | 13 | 38 | 3 | 0·36 | −0·16 | 2·5 | 0·0 | 25 | — | 5 | 23 | 38·3 | +1·9 | — | — |
| No. 11, p. 42 .. | Glencarron .. .. | 47 | 21st | 25 | 19th | 42·1 | 31·9 | 36·9 | −1·1 | 0 | 35 | 7 | 1·36 | −0·41 | — | — | — | — | — | — | — | — | — | — |
| No. 11, p. 42 .. | Norwich .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 2·5 | — | 22 | — | — | — | 41·0 | — | — | — |
| No. 12, p. 46 .. | Glencarron .. .. | 49 | 27th | 28 | 25, 27 | 46·6 | 31·2 | 38·7 | −0·1 | 13 | 40 | 3 | 0·16 | −1·54 | — | — | — | — | — | — | — | — | — | — |
| No. 12, p. 46 .. | Bath .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 42·5 | −0·5 | 45·8 | +1·9 |
| No. 12, p. 46 .. | Marlborough .. .. | 50 | 22, 28 | 28 | 22, 28 | 48·6 | 32·3 | 40·2 | −0·2 | 18 | 37 | 6 | 0·64 | +0·12 | 2·4 | −1·2 | 20 | — | 5 | 20 | — | — | 44·6 | — |
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| No. 13, p. 50 .. | Bath .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 47·4 | +3·3 | 45·4 | +0·8 |
| No. 13, p. 50 .. | Marlborough .. | 62 | 31st | 34 | 3rd | 55·7 | 41·9 | 48·5 | +6·8 | 46 | 0 | 5 | 0·71 | +0·21 | 3·4 | −0·5 | 27 | — | 2 | 28 | — | — | 45·0 | — |
| No. 14, p. 54 .. | Bath .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 48·3 | +3·0 | 47·2 | +1·9 |
| No. 14, p. 55 .. | Ramsgate .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 5·5 | — | 43 | — | — | — | — | — | — | — |
| No. 16, p. 62 .. | Malvern .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 8·0 | — | 58 | — | — | — | 50·6 | — | — | — |
| No. 16, p. 62 .. | Brighton .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 8·7 | +2·9 | 63 | — | 0 | 37 | — | — | 49·1 | — |
| No. 17, p. 66 .. | Bath .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 53·9 | +4·8 | 50·6 | +2·8 |
| No. 18, p. 71 .. | Cahir .. .. .. | 61 | 4th | 40 | 8, 9 | 55·3 | 44·4 | 49·5 | +1·1 | 53 | 0 | 7 | 0·98 | — | — | — | — | — | — | — | — | — | — | — |
| No. 20, p. 78 .. | Bath .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 58·2 | +3·3 | 52·6 | +1·2 |
| No. 22, p. 86 .. | Balruddery .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 6·8 | — | 40 | — | — | — | — | — | — | — |
| No. 22, p. 86 .. | Buxton .. .. .. | 66 | 3rd | 35 | 3rd | 56·6 | 42·4 | 49·1 | −0·8 | 50 | 0 | 3 | 0·44 | −0·28 | 3·5 | — | 20 | — | 0 | 32 | 51·1 | −3·5 | 48·2 | +0·1 |
| No. 22, p. 86 .. | Bath .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 56·8 | −1·4 | 54·7 | +0·6 |
| No. 24, p. 94 .. | Hoylake .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 10·5 | — | 63 | — | — | — | — | — | — | — |
| No. 25, p. 98 .. | Strathpeffer .. .. | 69 | 26th | 40 | 23rd | 63·1 | 47·6 | 54·8 | +0·6 | 90 | 0 | 5 | 0·13 | −0·32 | 5·1 | −0·2 | 29 | — | — | — | — | — | — | — |
| No. 27, p. 106 .. | Bath .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 63·2 | +1·5 | 60·2 | +4·2 |
| No. 27, p. 106 .. | Eastbourne .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 9·7 | +2·0 | 60 | — | — | — | 64·4 | — | 60·8 | — |
| No. 27, p. 106 .. | Manchester (Whit. Pk.). | 79 | 10, 11 | 49 | 8 | 71·0 | 53·6 | 61·7 | +2·6 | 138 | 0 | 4 | 0·33 | −0·22 | 5·2 | +0·1 | 31 | — | — | — | — | — | — | — |
| No. 28, p. 110 .. | Eastbourne .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 6·9 | −0·8 | 49 | — | — | — | 65·9 | — | 61·3 | — |
| No. 29, p. 115 .. | Seskin, Carrick-on-Suir | 80 | 21 | 48 | 25 | 66·6 | 51·3 | 58·4 | — | 115 | 0 | 5 | 0·82 | — | 5·7 | — | 36 | — | 0 | 47 | — | — | — | — |
| No. 30, p. 118 .. | Marchmont .. .. | 70 | 31 | 44 | 31 | 62·6 | 47·0 | 54·3 | −2·2 | 86 | 0 | 3 | 0·61 | −0·16 | 3·3 | −2·0 | 20 | — | 0 | 40 | 57·4 | −0·7 | — | — |

# WEEKLY WEATHER REPORT.

## CORRECTIONS AND ADDITIONS FOR 1914.

| Number and Page of Report. | Numbers of Districts and Names of Stations. | TEMPERATURE. Highest observed. | Date. | Lowest observed. | Date. | Mean for the week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the week from Average. | Accumulated Heat for the week in Day-degrees. Above 42° | Below 42° | RAINFALL. No. of Rain-days. | Rainfall in the week. | Difference from the Average. | BRIGHT SUNSHINE. Hours per Day. Daily Mean. | Difference from the Average. | Percentage of possible duration. | Difference from the Average. | TEMPERATURE ON GRASS. No. of obs. 30° or below. | Lowest Reading. | EARTH TEMPERATURE. 1 foot. Mean for week. | 1 foot. Difference from Average. | 4 feet. Mean for week. | 4 feet. Difference from Average |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Station Values, Additions. | | ° | | ° | | ° | ° | ° | ° | Day-deg. | Day-deg | | Ins. | Ins. | Hrs. | Hrs. | % | % | | ° | ° | ° | ° | ° |
| No. 30, p. 118 .. | Lowestoft .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 3·8 | — | 24 | — | 0 | 43 | 61·3 | −2·1 | 60·8 | +1·9 |
| No. 30, p. 118 .. | Brighton .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 6·2 | — | 40 | — | 0 | 46 | — | — | 62·0 | — |
| No. 30, p. 119 .. | Ramsgate .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 6·0 | — | 39 | — | — | — | — | — | — | — |
| No. 31, p. 122 .. | Baltasound .. .. | 67 | 6th | 48 | 8th | 63·1 | 52·3 | 57·4 | — | 108 | 0 | 5 | 0·65 | — | 5·4 | — | 32 | — | — | — | 57·4 | — | — | — |
| No. 31, p. 122 .. | Cally .. .. .. | 65 | 5, 6 | 47 | 7th | 63·1 | 50·3 | 56·3 | −0·7 | 100 | 0 | 5 | 1·58 | +0·62 | — | — | — | — | — | — | — | — | — | — |
| No. 31, p. 123 .. | Ramsgate .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 6·7 | — | 44 | — | — | — | — | — | — | — |
| No. 32, p. 126 .. | Baltasound .. .. | 63 | 9th | 47 | 13th | 57·5 | 50·1 | 53·6 | — | 81 | 0 | 3 | 0·25 | — | 4·1 | — | 25 | — | — | — | 56·2 | — | — | — |
| No. 32, p. 127 .. | Ramsgate .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 10·0 | — | 67 | — | — | — | — | — | — | — |
| No. 33, p. 130 .. | Baltasound .. .. | 57 | 18, 19 | 50 | 16–19 | 56·0 | 50·9 | 53·3 | — | 79 | 0 | 5 | 0·36 | — | 0·9 | — | 6 | — | — | — | 54·9 | — | — | — |
| No. 33, p. 131 .. | Ramsgate .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 7·5 | — | 52 | — | — | — | — | — | — | — |
| No. 34, p. 134 .. | Baltasound .. .. | 63 | 23, 24 | 45 | 29th | 60·7 | 51·1 | 55·9 | — | 97 | 0 | 7 | 0·40 | — | 3·6 | — | 24 | — | — | — | 55·7 | — | — | — |
| No. 34, p. 135 .. | Ramsgate .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 6·9 | — | 49 | — | — | — | — | — | — | — |
| No. 35, p. 138 .. | Baltasound .. .. | 59 | 30th | 42 | 4th | 56·9 | 47·6 | 51·8 | — | 69 | 0 | 5 | 0·11 | — | 4·3 | — | 30 | — | — | — | 53·7 | — | — | — |
| No. 35, p. 138 .. | Norwich .. .. | 81 | 3rd | 46 | 3rd | 74·1 | 53·4 | 63·3 | +4·6 | 149 | 0 | 0 | 0·00 | — | — | — | — | — | — | 43 | — | — | — | — |
| No. 35, p. 138 .. | Brighton .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 10·2 | +3·7 | 75 | — | 0 | 50 | — | — | 63·2 | — |
| No. 35, p. 139 .. | Ramsgate .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 9·8 | — | 72 | — | — | — | — | — | — | — |
| No. 36, p. 142 .. | Baltasound .. .. | 63 | 7th | 43 | 6, 12 | 59·6 | 48·4 | 53·7 | — | 82 | 0 | 3 | 0·49 | — | 4·4 | — | 32 | — | — | — | 54·4 | — | — | — |
| No. 36, p. 143 .. | Guernsey .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0 | 51 | 64·7 | +2·3 | 63·9 | +2·1 |
| No. 36, p. 143 .. | Ramsgate .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 6·2 | — | 47 | — | — | — | — | — | — | — |
| No. 37, p. 146 .. | Baltasound .. .. | 55 | 14th | 40 | 13th | 53·6 | 44·3 | 48·7 | — | 47 | 0 | 7 | 1·28 | — | 3·8 | — | 29 | — | — | — | 52·0 | — | — | — |
| No. 37, p. 146 .. | Bettws-y-Coed .. | 64 | 14th | 45 | 16th | 59·3 | 48·9 | 53·9 | −2·2 | 83 | 0 | 7 | 2·24 | — | 3·5 | — | 27 | — | — | — | 55·0 | +1·3 | 55·3 | +1·0 |
| No. 37, p. 147 .. | Ramsgate .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 5·3 | — | 42 | — | — | — | — | — | — | — |
| No. 38, p. 150 .. | Baltasound .. .. | 59 | 25th | 43 | 21, 22 | 54·9 | 47·1 | 50·8 | — | 62 | 0 | 7 | 0·65 | — | 1·8 | — | 15 | — | — | — | 50·9 | — | — | — |
| No. 38, p. 150 .. | Bath .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 56·4 | −2·3 | 59 6 | −0·1 |
| No. 38, p. 151 .. | Ramsgate .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 8·8 | — | 72 | — | — | — | — | — | — | — |
| No. 39, p. 154 .. | Baltasound .. .. | 53 | 29, 30 | 39 | 2nd | 50·9 | 41·3 | 46·0 | — | 31 | 2 | 7 | 1·41 | — | 2·3 | — | 19 | — | — | — | 48·5 | — | — | — |
| No. 39, p. 154 .. | Bath .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 54·9 | −3·1 | 57·9 | −1·1 |
| No. 39, p. 155 .. | Weymouth .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 5·8 | — | 49 | — | — | — | — | — | — | — |
| No. 39, p. 155 .. | Ramsgate .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 6·7 | — | 56 | — | — | — | — | — | — | — |
| No. 40, p. 158 .. | Baltasound .. .. | 55 | 8th | 37 | 6th | 52·7 | 45·3 | 48·9 | — | 48 | 0 | 5 | 0·50 | — | 0·7 | — | 6 | — | — | — | 48·8 | — | — | — |
| No. 40, p. 158 .. | Bath .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 54·6 | −2·8 | 57·0 | −1·5 |
| No. 40, p. 158 .. | Hoylake .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 1·3 | — | 11 | — | — | — | — | — | — | — |
| No 41, p. 162 .. | Baltasound .. .. | 54 | 17th | 38 | 15th | 52·7 | 46·1 | 49·3 | — | 51 | 0 | 6 | 0·73 | — | 2·3 | — | 22 | — | — | — | 49·2 | — | — | — |
| No. 42, p. 166 .. | Bath .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 52·2 | −3·1 | 55·2 | −2·0 |
| No. 42, p. 166 .. | Littlestone .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 1·6 | — | 15 | — | — | — | — | — | — | — |
| No. 43, p. 170 .. | Bath .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 51·2 | −1·9 | 54·6 | −1·7 |
| No. 43, p. 170 .. | Portsmouth .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 3·9 | — | 39 | — | 0 | 32 | 51·8 | −0·7 | 55·9 | −0·2 |
| No. 44, p. 174 .. | Balruddery .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 0·8 | — | 9 | — | — | — | — | — | — | — |
| No. 45, p. 178 .. | Buxton .. .. .. | 54 | 9th | 31 | 14th | 50·0 | 39 9 | 45·0 | +3·3 | 30 | 6 | 7 | 3·22 | +2·02 | 1·6 | — | 18 | — | 1 | 28 | 45·9 | +2·3 | 49·9 | +0·5 |
| No. 46, p. 182 .. | Strathpeffer .. .. | 59 | 19th | 24 | 18th | 42·1 | 31·4 | 36·8 | −4·8 | 0 | 38 | 2 | 0·10 | −0·54 | 1·7 | +0·2 | 22 | — | — | — | — | — | — | — |
| No. 46, p. 182 .. | Lowestoft .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 2·1 | — | 24 | — | 1 | 25 | 41·8 | −2·7 | 50·1 | +0·1 |
| No. 47, p. 186 .. | Strathpeffer .. .. | 54 | 28th | 29 | 22nd | 44·7 | 33·4 | 39·1 | −1·5 | 8 | 32 | 6 | 1·23 | +0·57 | 0·7 | −0·5 | 10 | — | — | — | — | — | — | — |
| No. 48, p. 190 .. | Norwich .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 2·4 | — | 30 | — | — | — | 43·3 | — | — | — |
| No. 49, p. 194 .. | Glencarron .. .. | — | — | — | — | — | — | — | — | — | — | 5 | 2·32 | +0·09 | — | — | — | — | — | — | — | — | — | — |
| No. 49, p. 194 .. | Balruddery .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 0·6 | — | 9 | — | — | — | — | — | — | — |
| No. 49, p. 194 .. | Little Massingham.. | 52 | 7th | 31 | 6, 11 | 45·1 | 36·6 | 41·0 | +1·5 | 9 | 22 | 7 | 0·82 | +0·27 | 0·8 | −0·6 | 10 | — | 3 | 24 | — | — | — | — |
| No. 50, p. 198 .. | Balruddery .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 0·0 | — | 0 | — | — | — | — | — | — | — |
| No. 50, p. 198 .. | York .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 0·8 | 0·0 | 11 | — | — | — | — | — | — | — |
| No. 50, p. 198 .. | Blackpool .. .. | 49 | 17th | 35 | 13, 19 | 45·4 | 38·3 | 42·0 | +1·5 | 10 | 10 | 5 | 1·86 | +1·16 | 1·1 | +0·2 | 15 | — | 2 | 29 | 42·3 | — | 47·2 | — |
| No. 52, p. 206 .. | Southampton .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 1·8 | +0·3 | 23 | — | — | — | — | — | — | — |
| No. 52, p. 207 .. | Newquay .. .. | 51 | 27th | 34 | 30th | 48·1 | 39·6 | 44·0 | −0·6 | 21 | 7 | 7 | 2·04 | +1·17 | 2·0 | +0·4 | 25 | — | 1 | 30 | 43·6 | — | 46·6 | — |
| No. 52, p. 207 .. | Cahir .. .. .. | 47 | 29th | 27 | 31st | 43·3 | 31·1 | 37·4 | −4·8 | 4 | 40 | 7 | 1·77 | — | — | — | — | — | — | — | — | — | — | — |
| Station Values, Corrections. | | | | | | | | | | | | | | | | | | | | | | | | |
| No. 1, p. 2 .. | Baltasound .. .. | — | — | 30 | 6, 7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 1, p. 2 .. | Geldeston .. .. | — | 8, 9 | — | — | 46·0 | — | 41 3 | +2·8 | 11 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 1, p. 2 .. | Tottenham .. .. | 54 | 9th | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 1, p. 2 .. | Shrewsbury .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3 | 25 | — | — | — | — |
| No. 1, p. 2 .. | Aspatria .. .. | — | — | — | — | — | 36·6 | 41 5 | +3·2 | — | 23 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 2, p. 6 .. | Rauceby .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 0·4 | — | 5 | — | — | — | — | — | — | — |
| No. 2, p. 6 .. | Geldeston .. .. | 44 | — | — | — | 38·7 | — | 35·6 | −2·6 | — | 45 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 2, p. 6 .. | Buxton .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 6 | — | — | — | — | — |
| No. 2, p. 6 .. | Shrewsbury .. .. | — | — | 27 | 15th | — | 30·4 | 34·0 | −4·6 | — | 56 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 2, p. 6 .. | Greenwich .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 0·6 | −0·6 | 8 | — | — | — | — | — | — | — |
| No. 2, p. 6 .. | Llandudno .. .. | 44 | 11th | — | — | 39·9 | — | 36·9 | −4·6 | — | 36 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 3, p. 10 .. | Lowestoft .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 1·1 | — | 14 | — | — | — | — | — | — | — |
| No. 3, p. 10 .. | Geldeston .. .. | 38 | 23, 24 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 3, p. 10 .. | Harrogate .. .. | — | — | 23 | — | — | 29·3 | 33·1 | −3·7 | — | 62 | — | — | — | — | — | — | — | 6 | 15 | — | — | — | — |
| No. 3, p. 10 .. | Shrewsbury .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·01 | — | — | — | — | — | — | — | — | — | — | — |
| No. 4, p. 14 .. | Glasgow .. .. | — | — | — | — | — | — | — | — | — | — | — | 1·32 | +0·62 | — | — | — | — | — | — | — | — | — | — |
| No. 4, p. 14 .. | Little Massingham.. | — | — | 31 | — | 46·1 | 37 3 | 41·9 | +4·8 | 11 | 21 | — | — | — | — | — | — | — | — | 27 | — | — | — | — |
| No. 4, p. 14 .. | Geldeston .. .. | — | — | — | 29, 30 | 48·4 | — | 42·4 | +4·4 | 28 | 17 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 4, p. 14 .. | Liverpool .. .. | — | 31st | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 4, p. 14 .. | Llandudno .. .. | — | — | — | — | 50·1 | — | 46·9 | +5·5 | 34 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# WEEKLY WEATHER REPORT.

## CORRECTIONS AND ADDITIONS FOR 1914.

| Number and Page of Report. | Numbers of Districts and Names of Stations. | TEMPERATURE. Highest observed. | Date. | Lowest observed. | Date. | Mean for the week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the week from Average. | Accumulated Heat for the week in Day-degrees. Above 42° | Below 42° | RAINFALL. No. of Rain-days. | Rainfall in the week. | Difference from the Average. | BRIGHT SUNSHINE. Hours per Day. Daily Mean. | Difference from the Average. | Percentage of possible duration. | Difference from the Average. | TEMPERATURE ON GRASS. No. of obs. 30° or below. | Lowest Reading. | EARTH TEMPERATURE. 1 foot. Mean for week. | 1 foot. Difference from Average. | 4 feet. Mean for week. | 4 feet. Difference from Average. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 'Station Values, Corrections. | | ° | | ° | | ° | ° | ° | ° | Day-deg. | Day-deg. | | Ins. | Ins. | Hrs. | Hrs. | % | % | | ° | ° | ° | ° | ° |
| No 5, p. 18 .. | West Linton .. .. | — | — | — | — | 48·6 | — | 42·9 | +6·6 | 27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 5, p. 18 .. | Shrewsbury .. .. | — | — | — | — | — | — | — | — | — | — | 1 | 0·04 | — | — | — | — | — | — | — | — | — | — | — |
| No. 5, p. 18 .. | Westminster .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·28 | -0·11 | — | — | — | — | — | — | — | — | — | — |
| No. 6, p. 22 .. | Glasgow .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·70 | +0·02 | — | — | — | — | — | — | — | — | — | — |
| No. 6, p. 22 .. | Douglas .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 2·0 | -0·2 | 22 | — | — | — | — | — | — | — |
| No. 6, p. 22 .. | Eastbourne .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 1·9 | -0·5 | 20 | — | — | — | — | — | — | — |
| No. 6, p. 23 . | Shaftesbury .. .. | — | — | — | — | 50·7 | — | 45·4 | +7·3 | 32 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 6, p. 23 .. | Carrick-on-Suir .. | — | — | 33 | 12th | — | 37·3 | 42·9 | — | 26 | 13 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 7, p. 26 .. | Glencarron .. .. | — | — | — | — | — | 32·3 | 37·9 | +1·4 | — | 35 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 7, p. 26 .. | Harrogate .. .. | — | — | — | — | 45·0 | — | 41·0 | +3·7 | 8 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 8, p. 30 .. | Tottenham .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 1·9 | — | 19 | — | — | — | — | — | — | — |
| No. 8, p. 30 .. | Westminster .. .. | — | — | — | — | — | 34·6 | 42·4 | +2·4 | 34 | 21 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 8, p. 30 .. | Newton Rigg .. | — | — | — | — | 47·6 | — | 41·1 | +4·1 | 16 | 30 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 8, p. 31 .. | Blacksod Pt. .. .. | — | — | — | — | — | — | — | — | — | — | — | 1·10 | +0·23 | — | — | — | — | — | — | — | — | — | — |
| No. 8, p. 31 .. | Markree Castle .. | — | — | — | — | — | 35·6 | 42·3 | +1·9 | 29 | 18 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 9, p. 34 .. | Cally .. .. .. | — | — | — | — | — | 37·0 | 42·3 | +3·1 | — | 14 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 9, p. 35 .. | Seskin, Carrick-on-Suir. | — | — | — | — | — | — | — | — | — | — | — | — | — | 2·8 | — | 26 | — | — | — | — | — | — | — |
| No. 10, p. 38 .. | Balruddery .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 5·0 | — | 46 | — | — | — | — | — | — | — |
| No. 10, p. 39 .. | Falmouth .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 2·3 | -1·7 | 21 | — | — | — | — | — | — | — |
| No. 11, p. 42 .. | Fort Augustus .. | — | — | — | — | 44·9 | — | 39·8 | +0·8 | 8 | 26 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 11, p. 42 .. | Colmonell .. .. | — | — | — | — | — | 34·9 | 40·2 | -1·0 | — | 26 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 11, p. 42 .. | Dungeness .. .. | — | — | — | — | — | — | — | — | — | — | — | 1·52 | +1·16 | — | — | — | — | — | — | — | — | — | — |
| No. 11, p. 43 .. | Shaftesbury .. .. | — | — | — | — | 45·1 | — | 39·5 | -0·6 | 9 | 28 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 12, p. 46 .. | Brighton .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 4·0 | -0·5 | 33 | — | — | — | — | — | — | — |
| No. 13, p. 50 .. | Marchmont .. .. | — | — | — | — | — | 39·9 | 46·9 | +6·7 | — | 6 | — | — | — | 5·2 | +1·3 | 41 | — | — | — | — | — | — | — |
| No. 13, p. 50 .. | Rothesay .. .. | — | — | — | — | 54·0 | — | 47·4 | +4·9 | 40 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 13, p. 50 .. | Colmonell .. .. | — | — | — | — | — | — | — | — | — | — | — | 1·27 | +0·58 | — | — | — | — | — | — | — | — | — | — |
| No. 13, p. 50 .. | Cheadle .. .. | — | — | — | — | 54·7 | — | 47·6 | +6·3 | 43 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 13, p. 51 .. | Tenby .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 4·0 | -1·1 | 32 | — | — | — | — | — | — | — |
| No. 14, p. 54 .. | Cally, Gatehouse .. | — | — | — | — | 51·1 | — | 44·5 | +1·7 | 33 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 14, p. 54 .. | Shoeburyness .. | — | — | — | — | 55·7 | — | 49·4 | +4·4 | 52 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 14, p. 54 .. | Buxton.. .. .. | — | — | — | — | 50·0 | — | 43·5 | +3·1 | 29 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 14, p. 54 .. | Bath .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 4·7 | — | 36 | — | — | — | — | — | — | — |
| No. 14, p. 54 .. | Hampstead .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 5·9 | — | 46 | — | — | — | — | — | — | — |
| No. 15, p. 58 .. | Norwich .. .. | 64 | — | 31 | — | 59·3 | 35·9 | 47·0 | +2·7 | 61 | 17 | — | — | — | — | — | — | — | — | 26 | — | — | — | — |
| No. 15, p. 58 .. | Buxton.. .. .. | — | — | — | — | 55 3 | — | 43·4 | +1·8 | 49 | — | 1 | 0·05 | -0·65 | — | — | — | — | — | — | — | — | — | — |
| No. 15, p. 58 .. | Nottingham .. .. | — | — | — | — | — | 34·4 | 46·1 | +1·4 | 61 | 21 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 15, p. 58 .. | Salisbury (Wilton) .. | — | — | — | — | 59·6 | — | 47·0 | +0·9 | 62 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 16, p. 62 .. | Nairn .. .. .. | — | — | 30 | 24th | — | 39·1 | 50·4 | +6·5 | 71 | 8 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 16, p. 62 .. | Poltalloch .. .. | — | — | — | — | 61·1 | — | 50·9 | +5·7 | 64 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 16, p. 62 .. | Hull .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 7·2 | — | 51 | — | — | — | — | — | — | — |
| No. 16, p. 62 .. | Little Massingham .. | — | — | — | — | — | 41·4 | 51·2 | +5·5 | 67 | 2 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 16, p. 62 .. | Norwich .. .. | 71 | 21st | 36 | — | 62·9 | 41·6 | 51·7 | +6·5 | 70 | 1 | 3 | 0·13 | — | — | — | — | — | 1 | 30 | — | — | — | — |
| No. 16, p. 62 .. | Cambridge .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 50·4 | +2·7 | — | — |
| No. 16, p. 62 .. | Dungeness .. .. | — | — | 40 | 24th | — | 44·4 | 51·3 | +5·0 | 65 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 16, p. 62 .. | Portsmouth .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | Nil | — | — | — | — | — | — | — | — |
| No. 16, p. 63 .. | Llangammarch Wells | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | ? | ? | — | — | — | — |
| No. 16, p. 63 .. | Birr Castle .. .. | — | — | — | — | 63·0 | — | 51·3 | +5·0 | 71 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 17, p. 66 .. | Shields .. .. .. | — | — | — | — | 55·1 | — | 47·7 | +2·5 | 45 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 17, p. 66 .. | Hampstead .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1 | 28 | — | — | — | — |
| No. 17, p. 67 .. | Llangammarch Wells | — | — | — | — | — | — | — | — | — | — | 2 | 0·02 | — | — | — | — | — | — | — | — | — | — | — |
| No. 18, p. 70 .. | Rothesay .. .. | — | — | — | — | 52·1 | — | 47·6 | -0·1 | 39 | — | 5 | 0·84 | +0·19 | — | — | — | — | — | — | — | — | — | — |
| No. 18, p. 70 .. | Clacton .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·26 | — | — | — | — | — | — | — | — | — | — | — |
| No. 18, p. 70 .. | Harrogate .. .. | — | — | — | — | — | 41·9 | 47·5 | +1·1 | 39 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 18, p. 71 .. | Pembroke .. .. | — | — | — | — | — | — | — | — | — | — | — | 1·37 | +0·94 | — | — | — | — | — | — | — | — | — | — |
| No. 18, p. 71 .. | Shaftesbury .. .. | — | — | — | — | — | 43·6 | 48·8 | +0·7 | 48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 19, p. 74 .. | Buxton .. .. | 65 | — | — | — | 54·0 | 38·6 | 45·8 | -0·2 | 41 | 10 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 19, p. 74 .. | Raunds .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 3·4 | — | 23 | — | — | — | — | — | — | — |
| No. 19, p. 74 .. | Manchester (Whit. Pk.) | — | — | — | — | 55·3 | — | 47 9 | -2·6 | 44 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 20, p. 78 .. | York .. .. .. | — | — | 41 | 23rd | — | 46·3 | 56·3 | +5·5 | 100 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 20, p. 78 .. | Malvern .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 57·6 | — | — | — |
| No. 20, p. 78 .. | Bath .. .. .. | — | — | — | — | 70·6 | — | 57·0 | +5·0 | 105 | — | — | — | — | 10·7 | — | 69 | — | — | — | — | — | — | — |
| No. 20, p. 78 .. | Worthing .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 42 | — | — | — | — |
| No. 20, p. 78 .. | Dungeness .. .. | 68 | 22nd | — | — | 64·6 | — | 56·2 | +4·9 | 99 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 20, p. 78 .. | Newton Rigg .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 48·8 | +2·1 |
| No. 21, p. 82 .. | Durham .. .. | — | — | — | — | — | — | — | — | — | — | 2 | 0·06 | -0·36 | — | — | — | — | — | — | — | — | — | — |
| No. 21, p. 83 .. | Pembroke .. .. | — | — | — | — | — | — | — | — | — | — | 1 | 0·02 | -0·39 | — | — | — | — | — | — | — | — | — | — |
| No. 21, p. 83 .. | Cardiff .. .. | — | — | — | — | — | 43·7 | 50·0 | -3·6 | 56 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 22, p. 86 .. | Harrogate .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 4·1 | — | 25 | — | — | — | — | — | — | — |
| No. 22, p. 86 .. | Bath .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 5·2 | — | 33 | — | — | — | — | — | — | — |
| No. 24, p. 94 .. | Glasgow Obs. .. | — | — | — | — | — | — | — | — | — | — | — | 0·16 | -0·42 | — | — | — | — | — | — | — | — | — | — |
| No. 24, p. 94 .. | Alnwick Castle .. | — | — | 44 | 17th | — | 48·3 | 54·7 | +1·2 | 89 | 0 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 24, p. 94 .. | Tottenham .. .. | — | — | — | — | 74·1 | — | 62·2 | +4·5 | 141 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 24, p. 94 .. | Malvern .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 9·6 | — | 59 | — | — | — | — | — | — | — |
| No 24. p. 94 .. | Southampton .. | — | — | — | — | — | — | — | — | — | — | 2 | 0·07 | -0·38 | — | — | — | — | — | — | — | — | — | — |

# WEEKLY WEATHER REPORT.

## CORRECTIONS AND ADDITIONS FOR 1914.

| Number and Page of Report. | Numbers of Districts and Names of Stations. | TEMPERATURE. Highest observed. | Date. | Lowest observed. | Date. | Mean for the week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the week from Average. | Accumulated Heat for the week in Day-degrees. Above 42° | Below 42° | RAINFALL. No. of Rain-days. | Rainfall in the week. | Difference from the Average. | BRIGHT SUNSHINE. Hours per Day. Daily Mean. | Difference from the Average. | Percentage of possible duration. | Difference from the Average. | TEMPERATURE ON GRASS. No. of obs. 30° or below. | Lowest Reading. | EARTH TEMPERATURE. 1 foot. Mean for week. | 1 foot. Difference from Average. | 4 feet. Mean for week. | 4 feet. Difference from Average. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Station Values, Corrections. | | ° | | ° | | ° | ° | ° | ° | Day-deg. | Day-deg. | | Ins. | Ins. | Hrs. | Hrs. | % | % | | ° | ° | ° | ° | ° |
| No. 24, p. 95 .. | Pembroke .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·12 | −0·33 | — | — | — | — | — | — | — | — | — | — |
| No. 24, p. 95 .. | Donaghadee .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·51 | −0·02 | — | — | — | — | — | — | — | — | — | — |
| No. 25, p. 98 .. | Portsmouth .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 25, p. 98 .. | Stonyhurst .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 60·0 | +2·1 |
| No. 26, p. 102 .. | Colmonell .. .. | — | — | — | — | — | — | — | — | — | — | 6 | 0·54 | −0·07 | 5·7 | −0·8 | 34 | — | — | — | — | — | — | — |
| No. 26, p. 102 .. | Geldeston .. .. | — | 30, 1 | — | — | 78·1 | — | 67·4 | +9·3 | 178 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 26, p. 102 .. | Tottenham .. .. | — | — | — | — | 80·0 | 59·0 | 68·8 | +8·8 | 188 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 26, p. 102 .. | Dungeness .. .. | — | — | — | — | 69·9 | — | 63·9 | +4·5 | 147 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 26, p. 102 .. | Hastings .. .. | — | — | — | — | — | 57·1 | 63·8 | +4·8 | 153 | — | — | 0·31 | −0·15 | — | — | — | — | — | — | — | — | — | — |
| No. 26, p. 103 .. | Cardiff .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 39 | — | — | — | — |
| No. 27, p. 106 .. | York .. .. .. | — | — | — | — | — | — | — | — | — | — | 3 | 0·11 | −0·41 | — | — | — | — | — | — | — | — | — | — |
| No. 27, p. 106 .. | Bath .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 7·7 | — | 47 | — | — | — | — | — | — | — |
| No. 27, p. 106 .. | Southampton .. .. | — | — | — | — | — | — | — | — | — | — | 4 | 0·95 | +0·45 | — | — | — | — | — | — | — | — | — | — |
| No. 28, p. 110 .. | Cally .. .. .. | — | — | — | — | 66·9 | — | 60·0 | +2·6 | 126 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 28, p. 110 .. | Douglas .. .. | — | 12th | — | 16th | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No 28, p. 110 .. | York .. .. .. | — | — | 55 | 12, 16, 18 | — | 57·3 | 61·2 | +3·6 | 148 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 28, p. 110 .. | Norwich .. .. | — | — | 53 | — | 75·9 | 57·9 | 64·3 | +6·4 | 170 | — | — | 1 36 | — | — | — | — | — | — | 51 | — | — | — | — |
| No. 28, p. 110 .. | Felixstowe .. .. | — | — | 53 | 16th | — | 58·9 | 64·3 | +3·4 | 156 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 28, p. 111 .. | Birr Castle .. .. | — | — | — | — | — | — | — | — | — | — | 6 | 0·75 | +0·12 | — | — | — | — | — | — | — | — | — | — |
| No. 29, p. 114 .. | Rothesay .. .. | — | — | — | — | — | 51·0 | 57·2 | −0·1 | 106 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 29, p. 114 .. | Norwich .. .. | 83 | — | 51 | — | 71·4 | 56·1 | 61·2 | +2·9 | 148 | — | 4 | 0·33 | — | — | — | — | — | — | 49 | — | — | — | — |
| No. 29, p. 114 .. | Hereford .. .. | — | — | 49 | 23 | — | 53·3 | 60·0 | −0·3 | 126 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 29, p. 114 .. | Hastings .. .. | — | — | 51 | 23 | — | 56·0 | 60·9 | −0·2 | 132 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 29, p. 115 .. | Cardiff .. .. | — | — | — | — | — | 54·1 | 59·1 | −1·9 | 120 | — | — | — | — | — | — | — | — | — | 48 | — | — | — | — |
| No. 30, p. 118 .. | Gordon Castle .. | 73 | 1st | — | — | 62·1 | — | 55·5 | −1·2 | 95 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 30, p. 118 .. | Rothesay .. .. | — | — | — | — | 63·7 | — | 54·8 | −2·5 | 90 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 30, p. 118 .. | Cally .. .. .. | — | — | — | — | — | — | — | — | — | — | 2 | 1·30 | +0·40 | — | — | — | — | — | — | — | — | — | — |
| No. 30, p. 118 .. | York .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 2·9 | −2·7 | 18 | — | — | — | — | — | — | — |
| No. 30, p. 118 .. | Hereford .. .. | — | — | — | — | — | — | — | — | — | — | 3 | 0·25 | −0·26 | — | — | — | — | — | — | — | — | — | — |
| No. 30, p. 118 .. | Ventnor .. .. | — | — | — | — | — | — | — | — | — | — | 3 | 0·39 | −0·08 | — | — | — | — | — | — | — | — | — | — |
| No. 30, p. 118 .. | Burnley .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 2·2 | — | 14 | — | — | — | — | — | — | — |
| No. 30, p. 119 .. | Cardiff .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 3·8 | — | 24 | — | — | — | — | — | — | — |
| No. 30, p. 119 .. | Scilly .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·41 | −0·13 | — | — | — | — | — | — | — | — | — | — |
| No. 30, p. 119 .. | Rhyl .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 6·5 | — | 41 | — | — | — | — | — | — | — |
| No. 31, p. 122 .. | Strathpeffer .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 2·2 | −1·8 | 14 | — | — | — | — | — | — | — |
| No. 31, p. 122 .. | Clacton-on-Sea .. | — | — | — | — | — | — | — | — | — | — | — | 0·48 | — | — | — | — | — | — | — | — | — | — | — |
| No. 31, p. 122 .. | Buxton .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 57·2 | −2·7 | 57·4 | +3·2 |
| No. 31, p. 122 .. | Nottingham .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 3·2 | — | 21 | — | — | — | — | — | — | — |
| No. 31, p. 122 .. | Margate .. .. | — | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 31, p. 122 .. | Ventnor .. .. | 72 | 2nd | — | — | 67·4 | — | 61·8 | −0·5 | 139 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 31, p. 123 .. | Scilly .. .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·38 | −0·16 | — | — | — | — | — | — | — | — | — | — |
| No. 32, p. 126 .. | Strathpeffer .. .. | — | — | 47 | 13th | — | 50·9 | 58·0 | +2·5 | 112 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 32, p. 126 .. | Rownton .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 40 | — | — | — | — |
| No. 32, p. 126 .. | Tottenham .. .. | — | — | — | — | 74·0 | — | 65·0 | +3·3 | 161 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 32, p. 126 . | Buxton .. .. | — | — | — | — | — | 49·7 | 58·5 | +2·1 | 116 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 32, p. 126 .. | Raunds .. .. | — | — | — | — | — | 51·6 | 63·2 | +2·8 | 148 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 32, p. 126 .. | Shrewsbury .. .. | — | — | 44 | 12th | — | 50·6 | 60·8 | +1·7 | 132 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 32, p. 126 .. | Blackpool .. .. | — | — | — | — | — | — | — | — | — | — | 1 | 0·05 | −0·71 | — | — | — | — | — | — | — | — | — | — |
| No. 32, p. 127 .. | Malin Head .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 9·1 | — | 59 | — | — | — | — | — | — | — |
| No. 32, p. 127 .. | Scilly .. .. .. | — | — | — | — | — | — | — | — | — | — | 2 | 0·09 | −0·46 | — | — | — | — | — | — | — | — | — | — |
| No. 33, p. 130 .. | Stornoway .. .. | — | — | — | — | — | 49·8 | 55·8 | +1·6 | 97 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 33, p. 130 .. | Strathpeffer .. .. | — | — | — | — | — | 47·8 | 55·6 | +0·4 | 95 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 33, p. 130 .. | Marchmont .. .. | — | — | — | — | — | 47·7 | 56·3 | +0·7 | 100 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 33, p. 130 .. | Cally .. .. .. | — | — | — | — | — | — | — | — | — | — | 1 | 0·46 | −0·61 | — | — | — | — | — | — | — | — | — | — |
| No. 33, p. 130 . | Felixstowe .. .. | — | 21st | — | — | 68·1 | — | 60·6 | −0·3 | 130 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 33, p. 130 .. | Cheadle .. .. | — | — | — | — | — | — | — | — | — | — | 1 | 0·12 | −0·65 | — | — | — | — | — | — | — | — | — | — |
| No. 33, p. 130 .. | Manchester (Whit. Pk.). | — | — | — | — | — | 52·7 | 60·2 | +1·7 | 127 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 33, p. 131 .. | Scilly .. .. .. | — | — | — | — | — | — | — | — | — | — | 3 | 0·10 | −0·46 | — | — | — | — | — | — | — | — | — | — |
| No. 34, p. 134 .. | Fort Augustus .. | — | — | — | — | — | 51·7 | 58·0 | +2·7 | 112 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 34, p. 134 .. | York .. .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·43 | −0·13 | — | — | — | — | — | — | — | — | — | — |
| No. 34, p. 134 .. | Spurn Head .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·40 | −0·05 | — | — | — | — | — | — | — | — | — | — |
| No. 34, p. 134 .. | Felixstowe .. .. | — | 24th | — | — | 70·9 | — | 63·9 | +3·4 | 153 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 34, p. 134 .. | Buxton .. .. | — | — | — | — | — | 52·0 | 58·8 | +3·5 | 118 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 34, p. 134 .. | Shrewsbury .. .. | — | — | — | — | — | 53·3 | 61·7 | +3·3 | 138 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 35, p. 138 .. | Poltalloch .. .. | — | — | — | — | — | 49·1 | 56·9 | +1·0 | 104 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 35, p. 138 .. | Dumfries .. .. | — | — | — | — | — | 53·1 | 60·0 | +2·9 | 126 | — | — | — | — | 5·6 | — | 40 | — | — | — | — | — | — | — |
| No. 35, p. 138 .. | York .. .. .. | — | — | — | — | — | — | — | — | — | — | 0 | 0·00 | −0·53 | — | — | — | — | — | — | — | — | — | — |
| No. 35, p. 138 .. | Holyhead .. .. | — | — | — | — | 67·4 | — | 61·8 | +4·0 | 139 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 35, p. 139 .. | Shaftesbury .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 36, p. 142 .. | Rothesay .. .. | — | — | — | — | — | — | — | — | — | — | 4 | 1·04 | 0·00 | — | — | — | — | — | — | 64·5 | — | — | — |
| No. 36, p. 142 .. | Dumfries .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 5·5 | — | 41 | — | — | — | — | — | — | — |
| No. 36, p. 142 .. | York .. .. .. | — | — | — | — | — | — | — | — | — | — | 2 | 0·25 | −0·22 | — | — | — | — | — | — | — | — | — | — |
| No. 36, p. 142 .. | Geldeston .. .. | — | — | — | — | — | 52·7 | 61·0 | +3·4 | 133 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 36, p. 142 .. | Raunds .. .. | — | — | — | — | 72·9 | — | 61·0 | +3·8 | 133 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 36, p. 142 .. | Bettws-y-Coed .. | — | — | — | — | 69·0 | — | 58·2 | +1·2 | 113 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# WEEKLY WEATHER REPORT.

## CORRECTIONS AND ADDITIONS FOR 1914.

| Number and Page of Report. | Numbers of Districts and Names of Stations. | TEMPERATURE. Highest observed. | Date. | Lowest observed. | Date. | Mean for the week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the week from Average. | Accumulated Heat for the week in Day-degrees. Above 42° | Below 42° | RAINFALL. No. of Rain-days. | Rainfall in the Week. | Difference from the Average. | BRIGHT SUNSHINE. Hours per day. Daily mean. | Difference from the Average. | Percentage of possible duration. | Difference from the Average. | TEMPERATURE ON GRASS. No. of obs. 30° or below. | Lowest Reading. | EARTH TEMPERATURE. 1 foot. Mean for week. | 1 foot. Difference from Average. | 4 feet. Mean for week. | 4 feet. Difference from Average. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Station Values, Corrections. | | ° | | ° | | ° | ° | ° | ° | Day-deg. | Day-deg. | | Ins. | Ins. | Hrs. | Hrs. | % | % | | ° | ° | ° | ° | ° |
| No 36, p. 143 .. | Portland .. .. | — | — | — | — | — | — | — | — | — | — | — | 1·11 | — | — | — | — | — | — | — | — | — | — | — |
| No. 36, p. 143 .. | Birr Castle .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·91 | +0·23 | — | — | — | — | — | — | — | — | — | — |
| No. 37, p. 146 .. | Strathpeffer .. .. | 64 | 16th | — | — | 56·9 | — | 49·4 | -2·9 | 52 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 37, p. 146 .. | Rothesay .. .. | — | — | — | — | — | — | — | — | — | — | 6 | 1·50 | +0·48 | — | — | — | — | — | — | — | — | — | — |
| No. 37, p. 146 .. | Cally .. .. .. | — | — | — | — | 50·3 | — | 52·0 | -1·0 | 70 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 37, p. 146 .. | Tottenham .. .. | — | — | — | — | 64·7 | — | 57·7 | +0·1 | 110 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 37, p. 146 .. | Shrewsbury .. .. | 66 | 14th | — | — | 60·9 | — | 54·3 | -1·9 | 86 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 37, p. 146 .. | Manchester (Whit. Pk.). | 67 | 14th | — | — | 59·7 | — | 53·4 | -2·5 | 80 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 38, p. 150 .. | York .. .. .. | — | — | — | — | — | 40·4 | 50·2 | -4·3 | 64 | 4 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 38, p. 150 .. | Blackpool .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·00 | -0·73 | — | — | — | — | — | — | — | — | — | — |
| No. 38, p. 151 .. | Roche's Point .. | — | — | — | — | — | — | — | — | — | — | 4 | 0·23 | -0·51 | — | — | — | — | — | — | — | — | — | — |
| No. 39, p. 154 .. | Poltalloch .. .. | — | — | — | — | — | 42·9 | 49·0 | -2·8 | 49 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 39, p. 154 .. | Malvern .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 5·9 | — | 50 | — | — | — | — | — | — | — |
| No. 39, p. 154 .. | Bettws-y-Coed .. | — | — | — | — | — | — | — | — | — | — | 3 | 0·13 | — | — | — | — | — | — | — | — | — | 53·6 | +0·1 |
| No. 39, p. 154 .. | Pembroke .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 5·3 | +0·9 | 45 | — | — | — | — | — | — | — |
| No. 40, p. 158 .. | Strathpeffer .. .. | — | — | 44 | 10 | — | 47·4 | 53·1 | +4·5 | 78 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 40, p. 158 .. | Fulbeck .. .. | 63 | 8, 9 | — | — | 60·4 | — | 52·3 | +0·6 | 72 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 40, p. 158 .. | Harrogate .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 2·6 | — | 23 | — | — | — | — | — | — | — |
| No. 40, p. 158 .. | Shrewsbury .. .. | — | — | 35 | — | — | 41·7 | 50·9 | -1·3 | 64 | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 40, p. 159 .. | Malin Head .. .. | — | — | — | — | — | — | — | — | — | — | 5 | 0·24 | -0·47 | — | — | — | — | — | — | — | — | — | — |
| No. 40, p 159 .. | Tenby .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 4·8 | +0·6 | 42 | — | — | — | — | — | — | — |
| No. 41, p. 162 .. | Hawarden Bridge .. | — | — | — | — | — | — | — | — | — | — | — | 0·23 | -0·42 | — | — | — | — | — | — | — | — | — | — |
| No. 41, p. 162 .. | Lerwick .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 3·5 | +0·7 | 33 | — | — | — | — | — | — | — |
| No. 41, p. 162 .. | Tynemouth .. .. | — | — | — | — | — | — | — | — | — | — | 0 | 0·00 | -0·68 | — | — | — | — | — | — | — | — | — | — |
| No. 41, p. 162 .. | Spurn Head .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·13 | -0·37 | — | — | — | — | — | — | — | — | — | — |
| No. 41, p. 163 .. | Malin Head .. .. | — | — | — | — | — | — | — | — | — | — | 3 | 0·16 | -0·56 | — | — | — | — | — | — | — | — | — | — |
| No. 42, p. 166 .. | Spurn Head .. .. | — | — | 44 | 22, 24 | — | 47·6 | 51·7 | +1·8 | 68 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 42, p. 166 .. | Hastings .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 1·8 | -2·1 | 17 | — | — | — | — | — | — | — |
| No. 42, p. 167 .. | Hawarden Bridge .. | — | — | — | — | — | — | — | — | — | — | 2 | 0·06 | -0·63 | — | — | — | — | — | — | — | — | — | — |
| No. 43, p. 170 .. | Strathpeffer .. .. | — | — | — | 28, 29 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 43, p. 170 .. | Marchmont .. .. | — | — | — | — | — | 38·9 | 44·6 | +0·5 | — | 9 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 43, p. 170 .. | Aspatria .. .. | — | — | — | — | 52·1 | — | 46·3 | +0·4 | 35 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 43, p. 170 .. | Hawarden Bridge .. | — | — | — | — | — | — | — | — | — | — | — | 0·59 | -0·08 | — | — | — | — | — | — | — | — | — | — |
| No. 43, p. 170 .. | Llandudno .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 2·6 | +0·1 | 26 | — | — | — | — | — | — | — |
| No. 43, p. 170 .. | Donaghadee .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·91 | +0·25 | — | — | — | — | — | — | — | — | — | — |
| No. 44, p. 174 .. | Shrewsbury .. .. | — | — | — | — | — | 40·6 | 47·8 | +1·7 | 46 | 4 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 44, p. 174 .. | Hawarden Bridge .. | — | — | — | — | — | — | — | — | — | — | — | 0·76 | +0·14 | — | — | — | — | — | — | — | — | — | — |
| No. 44, p. 175 .. | Pembroke .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 2·7 | 0·0 | 28 | — | — | — | — | — | — | — |
| No. 45, p. 178 .. | Tynemouth .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·30 | -0·27 | — | — | — | — | — | — | — | — | — | — |
| No. 45, p. 178 .. | Cambridge .. .. | — | — | — | — | 53·7 | 38·6 | 46·2 | +1·4 | 44 | 10 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 45, p. 178 .. | Tottenham .. .. | — | — | — | — | 54·6 | 44·0 | 49·3 | +3·9 | 51 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 45, p. 178 .. | Camden Square .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 1·6 | — | 18 | — | — | — | — | — | — | — |
| No. 45, p. 178 .. | Hawarden Bridge .. | — | — | — | — | — | — | — | — | — | — | — | 0·74 | +0·17 | — | — | — | — | — | — | — | — | — | — |
| No. 45, p. 178 .. | Holyhead .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 2·1 | — | 23 | — | — | — | — | — | — | — |
| No. 45, p. 179 .. | Donaghadee .. .. | — | — | — | — | 51·1 | — | 46·9 | +0·9 | 34 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 45, p. 179 .. | Tenby .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 2·0 | -0·5 | 22 | — | — | — | — | — | — | — |
| No. 46, p. 182 .. | Baltasound .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 39·1 | — | — | — |
| No. 46, p. 182 .. | Lerwick .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·53 | — | — | — | — | — | — | — | — | — | — | — |
| No. 46, p. 182 .. | Dumfries .. .. | — | — | — | — | — | 30·3 | 36·4 | -6·6 | — | 42 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 46, p. 182 .. | Cally .. .. .. | — | — | — | — | — | 28·1 | 36·1 | -6·9 | — | 50 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 46, p. 182 .. | Geldeston .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·76 | +0·23 | — | — | — | — | — | — | — | — | — | — |
| No. 46, p. 183 .. | Birr Castle .. .. | — | — | — | — | — | 28·7 | 36·5 | -7·0 | — | 48 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 47, p. 186 .. | Lerwick .. .. | — | — | — | — | — | — | — | — | — | — | — | 1·44 | — | — | — | — | — | — | — | — | — | — | — |
| No. 47, p. 186 .. | Colmonell .. .. | — | — | — | — | — | 33·4 | 41·4 | -0·6 | 21 | 35 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 47, p. 186 .. | Dumfries .. .. | — | — | — | — | — | 36·1 | 41·4 | -0·6 | — | 24 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 47, p 186 .. | Spurn Head .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 1·2 | — | 15 | — | — | — | — | — | — | — |
| No. 47, p. 186 .. | Tottenham .. .. | — | — | — | — | — | 39·6 | 42·8 | -0·7 | — | 7 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 47, p. 186 .. | Hereford .. .. | — | — | — | — | 46·6 | — | 41·7 | -0·8 | 13 | 21 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 47, p. 186 .. | Manchester (Whit. Pk.). | — | — | — | — | 45·8 | — | 41·7 | -1·7 | 11 | 18 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 47, p. 186 .. | Hawarden Bridge .. | — | — | — | — | — | — | — | — | — | — | — | 0·42 | -0·11 | — | — | — | — | — | — | — | — | — | — |
| No. 48, p. 190 .. | Hereford .. .. | 55 | 29, 30 | — | — | 51·4 | — | 47·2 | +5·6 | 36 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 48, p. 190 .. | Dungeness .. .. | — | — | — | — | — | — | — | — | — | — | — | 1·15 | +0·60 | — | — | — | — | — | — | — | — | — | — |
| No. 48, p. 190 .. | Newton Rigg .. .. | 56 | 30th | — | — | 48·6 | — | 43·4 | +3·6 | 28 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 48, p. 190 .. | Manchester (Whit. Pk.) | — | — | — | — | — | — | — | — | — | — | — | 1·39 | +0·78 | — | — | — | — | — | — | — | — | — | — |
| No. 48, p. 190 .. | Hawarden Bridge .. | — | — | — | — | — | — | — | — | — | — | — | 1·16 | +0·66 | — | — | — | — | — | — | — | — | — | — |
| No. 48, p. 190 .. | Bettws-y-Coed .. | — | — | — | — | 51·1 | 40·7 | 46·1 | +1·5 | 34 | 4 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 48, p. 191 .. | Pembroke .. .. | — | — | — | — | — | — | — | — | — | — | — | 1·90 | +1·00 | — | — | — | — | — | — | — | — | — | — |
| No. 48, p. 191 .. | Cardiff .. .. .. | — | — | — | — | — | 42·0 | 46·9 | +4·4 | 34 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 48, p. 191 .. | Clifton .. .. .. | 57 | 30 | — | — | 51·9 | — | 47·7 | +4·2 | 40 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| No. 48, p. 191 .. | Donaghadee .. .. | — | — | — | — | — | — | — | — | — | — | — | 1·38 | +0·66 | — | — | — | — | — | — | — | — | — | — |

# WEEKLY WEATHER REPORT.

## CORRECTIONS AND ADDITIONS FOR 1914.

| Number and Page of Report | Numbers of Districts and Names of Stations. | TEMPERATURE. Highest observed. | Date. | Lowest observed. | Date. | Mean for the week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the week from Average. | Accumulated Heat for the week in Day-degrees. Above 42° | Below 42° | RAINFALL. No. of Rain-days. | Rainfall in the week. | Difference from the Average. | BRIGHT SUNSHINE Hours per day. Daily Mean. | Difference from the Average. | Percentage of possible duration. | Difference from the Average. | TEMPERATURE ON GRASS. No. of obs. 30° or below. | Lowest Reading. | EARTH TEMPERATURE. 1 foot. Mean for week. | 1 foot. Difference from Average. | 4 feet. Mean for week. | 4 feet. Difference from Average. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Station Values, Corrections. | | ° | | ° | | ° | ° | ° | ° | Day-deg. | Day-deg. | | Ins. | Ins. | Hrs. | Hrs. | % | % | | ° | ° | ° | ° | ° |
| No. 49, p. 194 .. | Baltasound .. .. | — | — | — | — | — | 35·4 | 37·6 | — | — | 31 | — | — | — | — | — | — | — | | | | | | |
| No. 49, p. 194 .. | Gordon Castle .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 0·9 | — | 13 | — | | | | | | |
| No. 49, p. 194 .. | Rothesay .. .. | — | — | 32 | 11th | — | 38·1 | 41·4 | −0·3 | 7 | 16 | — | — | — | — | — | — | — | | | | | | |
| No. 49, p. 194 .. | Norwich .. .. | 54 | — | 30 | — | — | 36·7 | 42·5 | +2·3 | 26 | 15 | — | 2·00 | — | — | — | — | — | | | | | | |
| No. 49, p. 194 .. | Hawarden Bridge .. | — | — | — | — | — | — | — | — | — | — | 4 | 0·82 | +0·32 | — | — | — | — | 2 | 25 | — | — | — | — |
| No. 49, p. 195 .. | Pembroke .. .. | — | — | — | — | — | — | — | — | — | — | — | 1·20 | +0·30 | — | — | — | — | | | | | | |
| No. 49, p. 195 .. | Cardiff .. .. .. | — | — | — | — | — | 37·7 | 43·2 | +1·7 | 26 | 12 | — | — | — | — | — | — | — | | | | | | |
| No. 49, p. 195 .. | Arlington .. .. | — | — | — | — | — | — | — | — | — | — | — | 1·74 | +0·38 | — | — | — | — | | | | | | |
| No. 50, p. 198 .. | Lerwick .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·48 | — | — | — | — | — | | | | | | |
| No. 50, p. 198 .. | Gordon Castle .. | — | — | — | — | 43·3 | — | 39·1 | 0·0 | 4 | — | — | — | — | — | — | — | — | | | | | | |
| No. 50, p. 198 .. | Rothesay .. .. | — | — | — | — | — | 37·4 | 41·0 | +0·3 | — | 19 | — | — | — | — | — | — | — | | | | | | |
| No. 50, p. 198 .. | Spurn Head .. .. | — | — | — | — | — | — | — | — | — | — | — | 1·07 | +0·66 | — | — | — | — | | | | | | |
| No. 50, p. 198 .. | Dungeness .. .. | — | — | — | — | — | 41·3 | 45·3 | +3·2 | 26 | 2 | — | 2·35 | +1·85 | — | — | — | — | | | | | | |
| No. 50, p. 198 .. | Westminster .. .. | — | — | — | — | — | — | — | — | — | — | — | 1·47 | +1·02 | — | — | — | — | | | | | | |
| No. 50, p. 198 .. | Camden Square .. | — | — | — | — | — | — | — | — | — | — | — | 1·63 | — | 0·6 | — | 8 | — | | | | | | |
| No. 50, p. 198 .. | Hawarden Bridge .. | — | — | — | — | — | — | — | — | — | — | — | 0·85 | +0·37 | — | — | — | — | | | | | | |
| No. 50, p. 198 .. | Manchester (Whit. Park). | — | — | — | — | 46·1 | — | 42·6 | +2·4 | 17 | — | — | — | — | — | — | — | — | | | | | | |
| No. 51, p. 202 .. | Fort Augustus .. | — | — | — | — | — | 24·7 | 31·4 | −6·4 | — | 74 | — | — | — | 0·3 | 0·0 | 5 | — | | | | | | |
| No. 51, p. 202 .. | Edinburgh .. .. | 48 | — | — | — | 40·0 | — | 35·7 | — | — | 44 | — | — | — | — | — | — | — | | | | | | |
| No. 51, p. 202 .. | Spurn Head .. .. | — | — | — | — | — | — | — | — | — | — | — | 0·57 | +0·17 | — | — | — | — | | | | | | |
| No. 51, p. 202 .. | Raunds .. .. | — | — | — | — | — | — | — | — | — | — | 4 | 0·79 | — | — | — | — | — | | | | | | |
| No. 51, p. 202 .. | Newton Rigg .. | — | — | — | — | — | 25·9 | 31·8 | −5·2 | — | 71 | — | — | — | — | — | — | — | | | | | | |
| No. 51, p. 202 .. | Hawarden Bridge .. | — | — | — | — | — | — | — | — | — | — | 6 | 1·05 | +0·58 | — | — | — | — | | | | | | |
| No. 51, p. 202 .. | Manchester (Whit. Pk.). | — | — | — | — | — | — | — | — | — | — | — | 0·70 | +0·04 | — | — | — | — | | | | | | |
| No. 51, p. 203 .. | Dublin, Trinity Coll. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 44·7 | −0·8 |
| No. 52, p. 206 .. | York .. .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 1·2 | +0·4 | 17 | — | | | | | | |
| No. 52, p. 206 .. | Cromer .. .. .. | — | — | — | — | 44·9 | — | 39·3 | +1·9 | 8 | 34 | — | — | — | — | — | — | — | | | | | | |
| No. 52, p. 206 .. | Tottenham .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | 0·7 | — | 9 | — | | | | | | |
| No. 52, p. 206 .. | Camden Square .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | | | | |
| No 52, p. 206 .. | Newton Rigg .. | — | — | 30 | 27th | — | 32·0 | 36·9 | 0·0 | — | 36 | — | — | — | — | — | — | — | 3 | — | | | | |
| No. 52, p. 206 .. | Hawarden Bridge .. | — | — | — | — | — | — | — | — | — | — | — | 1·34 | +0·89 | — | — | — | — | | | | | | |
| No. 52, p. 206 .. | Bettws-y-Coed .. | — | — | — | — | — | — | — | — | — | — | — | 3·19 | — | — | — | — | — | | | | | | |
| No. 52, p. 207 .. | Pembroke .. .. | — | — | — | — | 47·0 | — | 43·7 | −0·2 | 20 | — | — | — | — | — | — | — | — | | | | | | |

# WEEKLY WEATHER REPORT.

## CORRECTIONS AND ADDITIONS FOR 1914.

### SEA TEMPERATURE.

| Station Values. Additions. | | Temperature of the Sea. Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|---|
| No. 2, p. 7 .. | Salcombe .. .. | 49 | 42 | 45·2 | −1·8 |
| No. 21, p. 83 | Shipwash Lightship | 54 | 52 | 52·4 | +1·0 |
| No. 24, p. 95 | Shipwash Lightship | 52 | 49 | 50·5 | −4·9 |
| No. 26, p. 103 | Scilly .. .. .. | 64 | 57 | 59·3 | — |
| No. 27, p. 107 | Shipwash Lightship | 56 | 54 | 55·5 | −3·0 |
| No. 27, p. 107 | Eastbourne .. .. | 65 | 63 | 63·6 | +3·0 |
| No. 28, p. 111 | Eastbourne .. .. | 66 | 63 | 64·7 | +3·4 |
| No. 31, p. 123 | Lerwick .. .. | 54 | 54 | 54·0 | +1·2 |
| No. 32, p. 127 | Lerwick .. .. | 54 | 53 | 53·5 | +0·4 |
| No. 33, p. 131 | Lerwick .. .. | 54 | 53 | 53·5 | +0·4 |
| No. 34, p. 135 | Lerwick .. .. | 54 | 53 | 53·9 | +1·0 |
| No. 36, p. 143 | Lerwick .. .. | 54 | 54 | 54·0 | +1·7 |
| No. 37, p. 147 | Lerwick .. .. | 54 | 53 | 53·1 | +1·3 |
| No. 38, p. 151 | Lerwick .. .. | 53 | 52 | 52·4 | +0·9 |
| No. 39, p. 155 | Lerwick .. .. | 52 | 51 | 51·4 | +0·1 |
| No. 40, p. 159 | Lerwick .. .. | 51 | 51 | 51·0 | −0·1 |
| No. 42, p. 167 | Lerwick .. .. | 51 | 50 | 50·4 | +0·1 |
| No. 42, p. 167 | Wick .. .. .. | 49 | 48 | 48·5 | −3·3 |
| No. 43, p. 171 | Lerwick .. .. | 50 | 49 | 49·9 | +0·3 |
| No. 43, p. 171 | Wick .. .. .. | 49 | 47 | 48·0 | −2·7 |
| No. 44, p. 175 | Lerwick .. .. | 49 | 49 | 49·0 | +0·3 |
| No. 44, p. 175 | Wick .. .. .. | ?47 | ?47 | ?47·0 | ?−3·7 |
| No. 45, p. 179 | Lerwick .. .. | 49 | 46 | 48·1 | +0·3 |
| No. 46, p. 183 | Lerwick .. .. | 47 | 46 | 46·4 | −0·5 |
| No. 46, p. 183 | Shipwash Lightship | 52 | 49 | 50·4 | +0·3 |
| No. 47, p. 187 | Lerwick .. .. | 47 | 46 | 47·0 | +0·9 |
| No. 47, p. 187 | Shipwash Lightship | 50 | 47 | 48·2 | −0·1 |
| No. 48, p. 191 | Lerwick .. .. | 46 | 46 | 46·0 | +0·5 |
| No. 48, p. 191 | Shipwash Lightship | 49 | 47 | 48·3 | +1·2 |
| No. 49, p. 195 | Lerwick .. .. | 46 | 45 | 45·5 | +0·2 |
| No. 50, p. 199 | Lerwick .. .. | 45 | 43 | 44·1 | −1·1 |
| No. 50, p. 199 | Shipwash Lightship | 49 | 47 | 47·7 | +2·3 |
| No. 51, p. 203 | Lerwick .. .. | 45 | 45 | 45·0 | 0·0 |
| No. 51, p. 203 | Shipwash Lightship | 48 | 46 | 46·9 | +1·9 |
| No. 51, p. 203 | Eastbourne .. .. | 46 | 43 | 44·9 | −1·4 |
| No. 51, p. 203 | Plymouth .. .. | 49 | 47 | 47·3 | −1·6 |
| No. 52, p. 207 | Lerwick .. .. | 45 | 44 | 44·8 | +0·4 |
| No. 52, p. 207 | Shipwash Lightship | 46 | 45 | 45·6 | +1·5 |

### SUMMARY OF WIND VELOCITY FOR ANEMOGRAPH STATIONS.

| Station Values:— Additions and Corrections. | | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ft. | | hr. | | hr. | hr. | hr. | | m/s. | m/s. d. h. m. |
| No 1, p. 3 .. | Aberdeen .. | 105 | — | — | — | — | — | — | — | — — | 20 6th — |
| No. 1, p. 3 .. | Spurn Head | — | — | — | — | — | — | — | SE. | — — | — — — |
| No. 3, p. 11.. | Holyhead .. | — | — | — | — | — | — | — | — | — — | 20 — — |
| No. 5, p. 19.. | Paisley .. | — | — | — | — | — | — | — | ? | 17 2nd 15h. | — — — |
| No. 6, p. 23.. | Kew .. | — | — | — | — | — | — | — | — | — — | 29 — 21. 0 |
| No. 13, p. 51 | Spurn Head | — | — | — | — | — | — | — | — | — — | — — 2.— |
| No. 14, p. 55 | South Kensington. | — | — | — | — | — | — | — | — | 8 — — | — — — |
| No. 19, p. 75 | Warlingham | — | — | — | — | — | — | — | — | 7 16th — | — — — |
| No. 22, p. 87 | Aberdeen .. | — | — | — | 31, 4 | — | — | — | — | — — | — — — |
| No. 32, p. 127 | Aberdeen .. | — | — | — | — | — | — | — | — | — 9h. | — — — |
| No. 32, p. 127 | Scilly .. | — | — | — | — | — | 45§ | 111§ | SSW. | 9 9th 3h. | 14 9th 1. 5 |
| No. 33, p. 131 | Spurn Head | — | — | — | — | — | — | — | — | — — | — — 15.20 |
| No. 33, p. 131 | Scilly .. | — | — | — | — | — | 5 | 163 | SSW. | 7 22nd 16h. | 10 22nd 16.20 |
| No. 34, p. 135 | Rosyth .. | — | — | — | — | — | 28 | 140 | SSW. | 10 24th 5h. | 17 24th 4.40 |
| No. 34, p. 135 | Brighton .. | — | — | — | — | — | 26 | 142 | — | 8 26th 11h. | 15 26th 10.15 |
| No. 34, p. 135 | Scilly .. | — | — | — | 26th | 6§ | 29§ | 122§ | WNW. | 13 26th 19h. | 18 26th 18.45 |
| No. 35, p. 139 | Scilly .. | — | — | — | 5th | 4§ | 59§ | 103§ | ESE. | 12 5th 3h. | 17 5th 2.55 |
| No. 36, p. 143 | Brighton .. | — | — | — | 12th | 1 | 64 | 103 | — | 11 12th 21h. | 19 12th 20.40 |
| No. 36, p. 143 | Scilly .. | — | 12th | 1§ | 8, 9, 11, 12 | 28§ | 96§ | 35§ | WNW. | 18 12th 20h. | 25 12th 19.35 |
| No. 37, p. 147 | Rosyth .. | — | 14th | 2 | 13–15 | 15 | 79 | 72 | W. | 19 14th 21h. | 27 14th 21. 0 |
| No. 37, p. 147 | Scilly .. | — | — | — | 13,14,17,19 | 58 | 80 | 30 | WNW. | 15 17th 17h. | 20 17th 16.45 |
| No. 38, p. 151 | Scilly .. | — | — | — | — | — | 62 | 106 | ESE. | 10 24th 17h. | 14 24th 16.40 |
| No. 39, p. 155 | Scilly .. | — | — | — | — | — | 16 | 152 | NW. | 8 28th 12h. | 11 28th 11.10 |
| No. 40, p. 159 | Alnwick Castle. | — | — | — | — | — | 11§ | 156§ | NW. by W. | 7 5th 18h. | 14 5th 13.15 |
| No. 40, p. 159 | Scilly .. | — | — | — | — | — | 2 | 166 | — | 6 7th 11h. | 9 7th 10.10 |
| No. 41, p. 163 | Rosyth .. | — | — | — | — | — | 8 | 160 | SW. | 8 12th 11h. | 13 12th 10.25 |
| No. 41, p. 163 | Scilly .. | — | — | — | 14th | 11 | 67 | 90 | SSE. | 12 14th 12h. | 16 14th 6.40 |
| No. 44, p. 175 | Scilly .. | — | — | — | — | — | 24 | 144 | ENE. | 7 1st 1h. | 18 1st 0.40 |
| No. 45, p. 179 | Dover .. | — | — | — | 11th–14th | 21 | 66 | 81 | — | 14 11th 19h. | 26 11th 24. 0 |
| No. 45, p. 179 | Kew.. .. | 66 | — | — | — | — | — | — | — | — — | — — — |
| No. 48, p. 191 | Southport.. | — | — | — | — | — | — | — | — | — — | 39 — — |
| No. 50, p. 199 | Rosyth .. | — | — | — | 13th, 17th | 27 | 52 | 89 | SW. | 15 17th 16h. | 22 13th 19.10 |
| No. 51, p. 203 | Dover .. | — | — | — | — | 7 | 47 | 114 | — | 14 26th 14h. | 19 26th 12.20 |

# WEEKLY WEATHER REPORT.

## MEAN SEA TEMPERATURE IN DEGREES FAHRENHEIT, 1914, AND DIFFERENCES FROM THE AVERAGES FOR THE FIVE YEARS 1907–1911.

| Period of 4 Weeks. | SCOTLAND, N. | | | | | | SCOTLAND, E. | | | | | | ENGLAND, N.E. | | | | ENGLAND, E. | | ENGLAND, S.E. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LERWICK. | | KIRKWALL. | | WICK. | | CROMARTY. | | PENNAN BAY. | | ABERDEEN. | | BURNMOUTH. | | SCARBOROUGH. | | SHIPWASH. | | EASTBOURNE. | |
| | Mean. | Diff. from Av. | Mean. | Diff. from Av. | Mean. | Diff. from Av. | Mean. | Diff. from Av. | Mean. | Diff. from Av. | Mean. | Diff. from Av. | Mean. | Diff. from Av. | Mean. | Diff. from Av. | Mean. | Diff. from Av. | Mean. | Diff. from Av. |
| 1. Jan. 4–31 .. .. .. .. | 44·1 | +0·8 | 42·5 | +1·6 | 43·7 | -1·0 | 39·7 | -0·3 | 41·9 | +1·7 | 42·0 | +2·3 | 41·2 | +0·7 | 39·3 | -2·0 | 40·4 | -0·2 | 38·6 | -3·0 |
| 2. Feb. 1–28.. .. .. .. | 44·6 | +2·5 | 44·0 | +3·5 | 44·3 | +0·8 | 41·9 | +3·0 | 43·0 | +2·8 | 42·6 | +2·7 | 41·2 | +2·0 | 42·1 | +1·9 | 42·0 | +2·7 | 42·8 | +3·2 |
| 3. Mar. 1–28.. .. .. .. | 43·2 | +1·0 | 43·0 | +2·5 | 43·1 | +0·2 | 40·9 | +1·4 | 43·0 | +2·9 | 41·9 | +1·3 | 38·5 | -0·9 | 42·1 | +1·7 | 44·0 | +3·7 | 44·9 | +3·2 |
| 4. Mar. 29–Apr. 25 .. .. | 45·0 | +1·5 | 46·1 | +2·9 | 44·5 | +0·8 | 46·5 | +4·4 | 45·8 | +2·9 | 44·1 | +1·2 | 41·9 | +0·5 | 47·3 | +4·6 | 47·5 | +4·8 | 48·7 | +3·8 |
| 5. Apr. 26–May 23 .. .. | 45·9 | +0·9 | 48·0 | +1·9 | 45·5 | -0·3 | 49·0 | +3·9 | 49·1 | +3·6 | 47·6 | +2·3 | 44·1 | +0·4 | 49·2 | +3·7 | 50·4 | +2·9 | 53·3 | +3·4 |
| 6. May 24–June 20 .. .. | 48·6 | +0·8 | 50·4 | -0·6 | 46·5 | -2·8 | 52·6 | +1·4 | 51·2 | -0·2 | 50·3 | +1·5 | 48·1 | -0·2 | 47·9 | -2·1 | 51·1 | -2·4 | 57·9 | +1·4 |
| 7. June 21–July 18 .. .. | 51·6 | +1·0 | 54·6 | +1·6 | 47·7 | -4·3 | 58·0 | +3·8 | 57·5 | +4·2 | 55·2 | +3·1 | 52·2 | +0·9 | 54·7 | +1·4 | 54·8 | -3·2 | 63·2 | +3·0 |
| 8. July 19–Aug. 15 .. .. | 53·7 | +1·0 | — | — | 48·7 | -4·1 | — | — | — | — | — | — | 52·7 | -1·7 | — | — | 58·0 | -3·5 | 63·4 | +0·3 |
| 9. Aug. 16–Sept. 12 .. .. | 53·8 | +1·1 | — | — | 48·8 | -4·6 | — | — | — | — | — | — | 51·4 | -2·8 | — | — | 59·1 | -3·5 | 65·2 | +1·5 |
| 10. Sept. 13–Oct. 10 .. .. | 52·0 | +0·6 | — | — | 48·7 | -3·5 | — | — | — | — | — | — | 49·6 | -2·8 | — | — | 57·1 | -2·9 | 59·0 | -1·1 |
| 11. Oct. 11–Nov. 7.. .. .. | 50·1 | +0·2 | — | — | 48·1 | -3·4 | — | — | — | — | — | — | 46·9 | -3·0 | — | — | 56·3 | +0·2 | 54·6 | -1·5 |
| 12. Nov. 8–Dec. 5 .. .. .. | 46·9 | +0·4 | — | — | 45·4 | -3·3 | — | — | — | — | — | — | 41·5 | -4·0 | — | — | 50·1 | +0·9 | 49·0 | +0·1 |
| 13. Dec. 6–Jan. 2 .. .. .. | 44·9 | -0·1 | — | — | 44·0 | -2·2 | — | — | — | — | — | — | 38·6 | -4·4 | — | — | 47·0 | +1·7 | 46·0 | -0·5 |
| QUARTERS. | | | | | | | | | | | | | | | | | | | | |
| 1. Jan. 4–Apr. 4 .. .. .. | 44·0 | +1·4 | 43·3 | +2·5 | 43·7 | 0·0 | 41·1 | +1·5 | 42·7 | +2·4 | 42 2 | +2·0 | 40·4 | +0·6 | 41·5 | +0·8 | 42·4 | +2·2 | 42·4 | +1·2 |
| 2. Apr. 5–July 4 .. .. .. | 47·4 | +1·1 | 49·3 | +1·4 | 45·8 | -1·5 | 50·9 | +3·2 | 50·3 | +2·5 | 48·8 | +2·0 | 46·1 | +0·3 | 49·2 | +1·8 | 50·5 | +0·6 | 55·2 | +2·8 |
| 3. July 5–Oct. 3 .. .. .. | 53·1 | +0·9 | — | — | 48·7 | -4·0 | — | — | — | — | — | — | 51·5 | -2·1 | — | — | 57·8 | -3·3 | 63·2 | +1·0 |
| 4. Oct. 4–Jan. 2 .. .. .. | 47·6 | +0·2 | — | — | 46·1 | -2·9 | — | — | — | — | — | — | 42·8 | -2·7 | — | — | 51·7 | +0·8 | 50·4 | -0·8 |
| YEAR .. .. .. .. | 48·0 | +0·9 | — | — | 46·1 | -2·1 | — | — | — | — | — | — | 45·2 | -1·2 | — | — | 50·6 | +0·1 | 52·8 | +1·1 |
| YEAR 1914 Highest Observed | 54 | | ? 58 | | 50 | | ? 64 | | ? 60 | | ? 57 | | 56 | | ? 60 | | 60 | | 67 | |
| YEAR 1914 Lowest Observed | 42 | | 40 | | 42 | | 32 | | 40 | | 41 | | 36 | | 34 | | 36 | | 35 | |

| Period of 4 Weeks. | SCOTLAND, W. | | | | ENGLAND, N.W. | | ENGLAND, S W. | | | | | | | | IRELAND, N.W. | | | | IRELAND, S.W. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LAMLASH. | | BALLANTRAE. | | PORT ERIN. | | NEWQUAY. | | SCILLY. | | PLYMOUTH. | | SALCOMBE. | | SHEEPHAVEN. | | TEELIN. | | CLEGGAN. | | SEAFIELD. | |
| | Mean. | Diff. from Av. | Mean. | Diff. from Av. | Mean. | Diff. from Av. | Mean. | Diff. from Av. | Mean. | Diff. from Av. | Mean. | Diff. from Av. | Mean. | Diff. from Av. | Mean. | Diff. from Av. | Mean. | Diff. from Av. | Mean. | Diff. from Av. | Mean. | Diff. from Av. |
| 1. Jan. 4 31 .. .. .. .. | 43·6 | -1·7 | 43·2 | +0·8 | 45·7 | -0·3 | 45·7 | -0·6 | 47·2 | — | 46·5 | -1·0 | 45·3 | -1·4 | 43·6 | -1·3 | 43·8 | -0·6 | 44·5 | +0·4 | 43·0 | -2·7 |
| 2. Feb. 1–28.. .. .. .. | 44·6 | +0·7 | 44·6 | +2·1 | 46·2 | +1·7 | 48·8 | +2·9 | 47·3 | — | 47·4 | +1·1 | 47·7 | +2·5 | 45·4 | +0·8 | 44·8 | +0·8 | 45·0 | +0·9 | 46·0 | +0·4 |
| 3. Mar. 1–28 .. .. .. | 44·5 | +0·9 | 44·2 | +1·2 | 45·7 | +1·9 | 49·6 | +3·2 | 49·4 | — | 47·9 | +2·0 | 48·3 | +3·2 | 45·7 | +0·9 | 44·8 | -0·1 | 45·2 | +0·6 | 45·7 | -0·4 |
| 4. Mar. 29–Apr. 25 .. .. | 45·9 | +1·3 | 47·3 | +2·7 | 47·1 | +2·2 | 50·4 | +2·2 | 50·4 | — | 50·8 | +3·1 | 50·8 | +4·1 | 48·2 | +1·6 | 47·6 | +0·5 | 48·0 | +1·4 | 49·1 | +0·7 |
| 5. Apr. 26–May 23 .. .. | 47·8 | +1·4 | 49·7 | +2·6 | 49·1 | +2·0 | 53·5 | +2·7 | 53·7 | — | 53·8 | +3·7 | 53·4 | +3·8 | 50·9 | +2·2 | 51·1 | 0·0 | 51·4 | +1·7 | 52·8 | +1·2 |
| 6. May 24–June 20 .. .. | 49·9 | -1·5 | 52·0 | +0·7 | 51·5 | +1·1 | 56·3 | +0·6 | 56·1 | — | 56·5 | +2·2 | 56·3 | +2·8 | 54·0 | -0·2 | 54·4 | -1·7 | 55·2 | +1·3 | 56·0 | +0·1 |
| 7. June 21–July 18 .. .. | 53·0 | -1·0 | 55·3 | +1·5 | 55·6 | +2·1 | 59·6 | +0·9 | 58·4 | — | 60·4 | +2·7 | 59·4 | +3·6 | 59·0 | +2·4 | 58·7 | +0·4 | 57·9 | +2·0 | 60·4 | +1·6 |
| 8. July 19–Aug. 15 .. .. | — | — | 60·5 | +4·6 | 57·8 | +1·8 | — | — | 59·3 | — | 60·1 | -0·5 | — | — | — | — | — | — | — | — | — | — |
| 9. Aug. 16–Sept. 12 .. .. | — | — | 60·4 | +3·7 | 59·1 | +2·2 | — | — | 59·5 | — | 62·7 | +2·5 | — | — | — | — | — | — | — | — | — | — |
| 10. Sept. 13–Oct. 10 .. .. | — | — | 57·2 | +3·2 | 56·8 | +1·0 | — | — | 57·4 | — | 59·2 | +0·7 | — | — | — | — | — | — | — | — | — | — |
| 11. Oct. 11–Nov. 7 .. .. | — | — | 53·3 | +2·6 | 54·6 | +0·9 | — | — | 54·5 | — | 56·8 | +0·6 | — | — | — | — | — | — | — | — | — | — |
| 12. Nov. 8–Dec. 5 .. .. | — | — | 45·5 | -0·3 | 51·3 | +0·9 | — | — | 52·0 | — | 52·4 | -0·3 | — | — | — | — | — | — | — | — | — | — |
| 13. Dec. 6–Jan. 2 .. .. | — | — | 40·6 | -4·0 | 48·3 | -0·3 | — | — | 49·5 | — | 48·5 | -0·8 | — | — | — | — | — | — | 46·5 | — | — | — |
| QUARTERS. | | | | | | | | | | | | | | | | | | | | | | |
| 1. Jan. 4–Apr. 4 .. .. .. | 44·3 | +0·1 | 44·2 | +1·5 | 45·9 | +1·2 | 48·1 | +1·8 | 48·1 | — | 47·5 | +0·9 | 47·3 | +1·6 | 45·0 | +0·1 | 44·6 | 0·0 | 45·0 | +0·6 | 45·1 | -0·8 |
| 2. Apr. 5–July 4 .. .. .. | 48·9 | +0·2 | 50·8 | +2·1 | 50·2 | +1·7 | 51·5 | +1·6 | 54·5 | — | 54·9 | +3·2 | 54·6 | +3·4 | 52·5 | +1·2 | 52·3 | -0·5 | 52·7 | +1·9 | 54·1 | +1·0 |
| 3. July 5–Oct. 3 .. .. .. | — | — | 58·8 | +3·2 | 57·8 | +1·8 | — | — | 58·8 | — | 60·9 | +1·2 | — | — | — | — | — | — | — | — | — | — |
| 4. Oct. 4–Jan. 2 .. .. .. | — | — | 47·3 | -0·2 | 51·8 | +0·5 | — | — | 52·4 | — | 53·0 | -0·1 | — | — | — | — | — | — | — | — | — | — |
| YEAR .. .. .. .. | — | — | 50·3 | +1·7 | 51·4 | +1·3 | — | — | 53·5 | — | 54·1 | +1·3 | — | — | — | — | — | — | — | — | — | — |
| YEAR 1914 Highest Observed | ? 55 | | 67 | | 62 | | ? 63 | | 64 | | 64 | | ? 63 | | ? 61 | | ? 64 | | ? 63 | | ? 67 | |
| YEAR 1914 Lowest Observed | 42 | | 36 | | 44 | | 45 | | 46 | | 45 | | 41 | | 42 | | 40 | | 41 | | 34 | |

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) } No. 1. FIRST WEEK, SUNDAY, JANUARY 4TH, TO SATURDAY, JANUARY 10TH, 1914. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

**Barometer Wind and Weather.** With large cyclonic disturbances moving eastward, the wind was between S.W. and W. or N.W. very generally until Friday, when the development of an anticyclone over Scandinavia was accompanied by Easterly to South-Easterly breezes in the east of Britain. Gales were experienced early in the week on many parts of the northern, western and south-western coasts, and at the end of the week the South-Easterly wind blew with the force of a gale on the coast of Shetland. The weather was very unstable. The sky was seldom free from cloud, and few days passed without a measurable quantity of precipitation. Sleet, snow and hail showers were experienced in the north and east, and on the 5th or 6th thunder and lightning, or thunder only, occurred in some Irish and Scottish localities, as well as at Southport. On the 4th 1·2 in. of rain fell at Cally, Gatehouse; on the 8th 1·1 in. at Burnley, 1·8 in. at Lancaster, 2·1 in. at Stonyhurst, and 1·5 in. at Poltalloch; and on the 10th 1·2 in. at Great Yarmouth.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Unusual | Moderate | Unusual | Unusual | Unusual | Moderate | Unusual | Unusual | Unusual | Unusual | Unusual |
| | Rainfall ... | Heavy | Very heavy | Heavy | Very heavy | Moderate | Moderate | Heavy | Very heavy | Moderate | Moderate | Moderate | Heavy |
| | Sunshine ... | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 6 weeks from Nov. 30th, 1913. | Warmth ... | 2 * 1 | 3 * 1 | 2 * 1 | 4 * 2 | 4 * 2 | 3 * 2 | 1 * 0 | 3 * 1 | 3 * 2 | 3 * 1 | 3 * 2 | 3 * 2 |
| | Rainfall ... | 2 * 0 | 2 * 2 | 1 * 3 | 1 * 4 | 0 * 3 | 1 * 3 | 3 * 3 | 3 * 3 | 1 * 3 | 2 * 3 | 1 * 4 | 3 * 3 |
| | Sunshine ... | 1 * 0 | 2 * 0 | 1 * 0 | 1 * 0 | 1 * 2 | 2 * 2 | 2 * 1 | 1 * 0 | 2 * 3 | 1 * 3 | 1 * 4 | 0 * 2 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 1912–13. Dec. 1st–March 1st. 13 weeks. | Warmth ... | 5 * 3 | 5 * 3 | 6 * 2 | 5 * 1 | 6 * 2 | 7 * 1 | 8 * 3 | 6 * 1 | 6 * 2 | 9 * 1 | 8 * 3 | 8 * 1 |
| | Rainfall ... | 6 * 5 | 5 * 3 | 4 * 3 | 5 * 2 | 5 * 3 | 5 * 3 | 5 * 3 | 5 * 3 | 7 * 3 | 6 * 2 | 6 * 2 | 5 * 4 |
| | Sunshine ... | 1 * 6 | 0 * 7 | 1 * 8 | 2 * 7 | 2 * 9 | 3 * 6 | 0 * 9 | 2 * 4 | 1 * 8 | 0 * 8 | 0 * 8 | 1 * 9 |
| SPRING, 1913. Mar. 2nd–May 31st. 13 weeks. | Warmth ... | 2 * 5 | 2 * 5 | 5 * 2 | 5 * 2 | 4 * 2 | 4 * 2 | 2 * 4 | 4 * 3 | 3 * 2 | 1 * 3 | 1 * 3 | 3 * 4 |
| | Rainfall ... | 6 * 2 | 5 * 3 | 5 * 4 | 5 * 2 | 7 * 3 | 6 * 1 | 8 * 2 | 7 * 3 | 6 * 1 | 7 * 2 | 6 * 1 | 7 * 3 |
| | Sunshine ... | 3 * 3 | 2 * 3 | 1 * 4 | 2 * 6 | 2 * 5 | 2 * 4 | 1 * 8 | 1 * 4 | 0 * 6 | 2 * 5 | 1 * 6 | 0 *10 |
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| | Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| | Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |

EXPLANATION OF NOMENCLATURE USED ABOVE.

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—The charts for the current week will be issued with the Statistical Tables for next week.**

(84—19.) Wt. 196—786. 450. 1/14. D & S. G. 17/36.

# II.—DATA from which the SUMMARY in Table V. has been calculated.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Mean for the Week. Of Lowest each day. | Mean for the Week. For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Accumulated Heat for the Week (in Day degrees). Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | Day ° | Day ° | | In. | In. | Hr. | Hr. | % | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | *48* | *8th* | *20* | *5, 7* | *42·3* | *34·0* | *38·3* | — | *1* | *29* | *6* | *2·06* | *—* | *0·1* | * | * | * | * | * | * | * | *Baltasound.* |
| *a* Islands .. *a* Lerwick .. | 54 | 48 | 7, 8 | 31 | 5, 7 | 43·0 | 34·7 | 39·0 | − 0·6 | 3 | 27 | 7 | 2·89 | — | 0·2 | − 0·6 | 3 | * | * | * | * | * | * | Deerness. |
| *a* Stornoway .. | 51 | 50 | 9th | 31 | 7th | 44·7 | 37·7 | 41·3 | + 2·0 | 8 | 18 | 7 | 2·19 | + 0·92 | 0·4 | − 0·5 | 6 | * | * | * | * | * | * | Stornoway. |
| *a Castlebay, Barra Isd.* .. | *37* | *51* | *9th* | *33* | *6th* | *47·1* | *40·4* | *43·9* | *+ 1·9* | *22* | *4* | *6* | *0·99* | — | *0·4* | — | *6* | * | * | * | * | * | * | *Castlebay.* |
| *a* Wick .. .. | 81 | 48 | 8th | 27 | 7th | 42·7 | 34·1 | 38·6 | + 0·2 | 2 | 30 | 7 | 0·85 | + 0·25 | * | * | * | * | * | * | * | * | * | |
| *b*, Main- *p* Strathpeffer .. | 200 | 51 | 10th | 30 | 5-7 | 45·7 | 35·3 | 40·7 | + 3·6 | 10 | 27 | 6 | 1·41 | + 0·64 | 0·6 | − 0·4 | 9 | * | * | * | * | * | * | Strathpeffer. |
| land. *p* Glencarron .. | 500 | 49 | 10th | 26 | 6th | 44·6 | 38·7 | 41·8 | + 5·0 | 7 | 14 | 7 | 3·11 | + 0·77 | * | * | * | * | * | * | * | * | * | |
| *p* Fort Augustus.. | 68 | 50 | 10th | 24 | 7th | 43·3 | 35·6 | 39·6 | + 1·8 | 4 | 24 | 6 | 1·25 | − 0·03 | 0·1 | − 0·3 | 2 | * | * | * | * | * | * | Fort Augustus. |
| *p* Fort William .. | 175 | 48 | 10th | 28 | 7th | 43·6 | 36·9 | 40·4 | + 0·9 | 4 | 20 | 7 | 1·94 | − 0·24 | * | * | * | * | * | * | * | * | * | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle .. | 101 | 47 | 8th | 30 | 6th | 43·4 | 37·6 | 40·6 | + 2·2 | 4 | 17 | — | — | — | 0·6 | — | 9 | 4 | 23 | 34·3 | −1·9 | 38·6 | −0·5 | Crathes S. |
| *a* Nairn .. .. | 82 | 49 | 10th | 29 | 6, 7 | 42·7 | 34·6 | 38·8 | + 1·4 | 2 | 27 | 7 | 1·39 | + 0·94 | *0·5* | — | *8* | * | * | * | * | * | * | *Gordon Castle* |
| *a* Aberdeen .. .. | 46 | 49 | 8th | 30 | 7, 8 | 43·1 | 34·7 | 39·1 | + 1·3 | 3 | 28 | 6 | 1·11 | + 0·54 | 0·4 | — | 6 | * | * | * | * | * | * | Nairn. |
| *a* Balmoral .. .. | 930 | 47 | 9th | 27 | 7th | 42·1 | 32·7 | 37·6 | + 3·1 | 0 | 34 | 7 | 1·17 | + 0·47 | 0·7 | − 0·7 | 11 | * | * | * | * | 40·4 | −0·5 | Aberdeen. |
| *p* Crieff .. .. | 440 | 48 | 4th | 28 | 7th | 42·4 | 34·9 | 38·8 | + 1·5 | 1 | 26 | 5 | 0·91 | − 0·01 | * | * | * | 4 | 24 | * | * | * | * | Balmoral. |
| *a* Leith .. .. | 18 | 50 | 8th | 31 | 7th | 43·7 | 36·9 | 40·4 | + 1·1 | 5 | 20 | 5 | 1·24 | + 0·85 | 0·8 | — | 12 | * | * | * | * | * | * | Balruddery. |
| *p* West Linton .. | 800 | 47 | 8th | 17 | 7th | 40·4 | 31·6 | 36·2 | − 0·3 | 0 | 41 | 5 | 2·03 | — | * | * | * | * | * | * | * | * | * | |
| *p* Marchmont .. | 498 | 50 | 9th | 25 | 7th | 44·1 | 33·7 | 39·1 | + 2·4 | 6 | 32 | 5 | 1·24 | + 0·70 | *0·3* | — | *4* | * | * | * | * | * | * | *West Linton* |
| *Edinburgh* .. | *441* | *48* | *8, 9* | *29* | *5, 7* | *43·7* | *35·4* | *39·7* | — | *5* | *25* | *6* | *1·29* | — | 0·6 | − 0·7 | 9 | 3 | 20 | 37·0 | +0·7 | * | * | Marchmont. |
| | | | | | | | | | | | | | | | 0·7 | − 0·1 | 10 | 4 | 20 | * | * | * | * | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch .. .. | 132 | 49 | 8, 9 | 27 | 7th | 44·3 | 36·3 | 40·5 | + 0·9 | 6 | 23 | 6 | 2·96 | + 1·82 | * | * | * | * | * | * | * | * | * | |
| *p* Glasgow .. .. | 180 | 49 | 8, 9 | 29 | 7th | 44·6 | 37·3 | 41·1 | + 2·3 | 7 | 19 | 5 | 1·25 | + 0·45 | 0·6 | 0·0 | 9 | 3 | 19 | * | * | * | * | Glasgow. |
| *p* Rothesay .. .. | 73 | 51 | 9th | 33 | 5, 6 | 45·3 | 39·1 | 42·3 | + 2·4 | 14 | 8 | 6 | 2·02 | + 0·93 | *0·7* | — | *10* | 1 | 26 | 39·4 | * | 43·4 | +0·4 | *Rothesay.* |
| *a* Kilmarnock .. .. | 90 | 51 | 8th | 23 | 7th | 45·0 | 35·3 | 40·3 | + 0·3 | 8 | 27 | 6 | 1·68 | — | *0·8* | — | *11* | * | * | * | * | * | * | *Kilmarnock.* |
| *a* Colmonell .. .. | 150 | 54 | 8th | 27 | 7th | 46·9 | 37·4 | 42·3 | + 1·9 | 21 | 13 | 5 | 1·43 | + 0·36 | * | * | * | 1 | 25 | * | * | * | * | |
| *p* Dumfries .. .. | 160 | 53 | 9th | 23 | 7th | 46·1 | 34·6 | 40·6 | + 2·0 | 11 | 31 | 6 | 1·20 | + 0·37 | *1·1* | — | *16* | 3 | 20 | 37·3 | * | 41·0 | * | *Dumfries.* |
| *p* Cally, Gatehouse .. | 120 | 52 | 9th | 25 | 7th | 46·1 | 35·1 | 40·8 | + 2·3 | 11 | 28 | 5 | 2·38 | + 1·30 | * | * | * | * | * | * | * | * | * | |
| *b*. I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas .. .. .. | 277 | 53 | 9th | 33 | 7th | 47·9 | 39·6 | 43·9 | + 2·7 | 23 | 7 | 7 | 1·51 | + 0·61 | 1·3 | − 0·2 | 18 | 1 | 26 | * | * | * | * | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle .. | 210 | 52 | 8th | 28 | 7th | 43·9 | 35·6 | 39·9 | + 1·6 | 5 | 25 | 5 | 0·98 | + 0·41 | 1·0 | — | 14 | 3 | 20 | 37·3 | +0·3 | 40·4 | +0·2 | Cockle Park |
| *a* Shields .. .. | 96 | 53 | 4th | 27 | 7th | 44·7 | 34·1 | 39·6 | + 0·7 | 8 | 31 | 5 | 1·11 | + 0·71 | * | * | * | * | * | * | * | * | * | * |
| *p* Durham .. .. | 336 | 52 | 8, 9 | 26 | 7th | 46·1 | 33·9 | 40·2 | + 2·8 | 11 | 33 | 5 | 0·66 | + 0·27 | 1·1 | − 0·3 | 16 | 2 | 20 | * | * | * | * | Durham. |
| *a*, North .. *p* Rounton .. .. | 249 | 50 | 4, 8, 9 | 26 | 7th | 45·9 | 35·4 | 40·9 | + 3·4 | 11 | 28 | 4 | 0·85 | + 0·45 | * | * | * | 3 | 18 | 36·8 | * | * | * | Rounton. |
| *a West Witton* .. | *605* | *51* | *8th* | *28* | *7, 8* | *43·6* | *34·9* | *39·4* | — | *4* | *27* | *5* | *1·04* | — | * | * | * | 4 | 24 | 39·0 | * | 41·9 | * | *West Witton.* |
| *p* Scarborough .. | 100 | 49 | 4th | 29 | 6th | 43·6 | 36·0 | 40·0 | + 1·1 | 4 | 24 | — | — | — | 1·3 | — | 18 | * | * | * | * | 42·6† | * | Scarborough. |
| *p* York .. .. | 56 | 54 | 9th | 29 | 7th | 46·9 | 34·9 | 41·1 | + 2·9 | 14 | 30 | 5 | 1·31 | + 0·91 | 0·8 | −0·1 | 11 | * | * | 39·0 | −0·2 | 43·3 | +0·4 | York. |
| | | | | | | | | | | | | — | — | — | *0·7* | | *10* | 3 | 23 | 38·0 | −0·1 | 44·4 | +0·8 | *Hull.* |
| *a* Spurn Head .. | 26 | 48 | 4, 8, 9 | 31 | 7th | 43·9 | 36·1 | 40·2 | + 1·1 | 5 | 23 | 4 | 1·29 | + 0·94 | *1·4* | * | *19* | * | * | * | * | * | * | *Spurn Head.* |
| *b*, South .. *a* Lincoln .. .. | 58 | 54 | 9th | 28 | 8th | 45·1 | 34·1 | 39·8 | + 2·4 | 9 | 31 | 4 | 0·87 | + 0·47 | * | * | * | * | * | 36·3 | −1·7 | 42·9 | +0·1 | Lincoln. |
| *a* Fulbeck .. .. | 180 | 54 | 9th | 25 | 7th | 45·3 | 34·1 | 39·9 | + 2·6 | 9 | 31 | 4 | 1·05 | + 0·65 | 1·1 | — | 15 | 4 | 20 | 38·7 | −0·8 | 44·1 | +0·2 | Rauceby. |
| | | | | | | | | | | | | — | — | — | 2·3 | — | 31 | * | * | * | * | * | * | Skegness. |
| | | | | | | | | | | | | — | — | — | *1·6* | — | *21* | 5* | 24 | 38·8 | −0·2 | 42·9 | −0·4 | *Lowestoft.* |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | | | | * | * | * | * | * | * | Cromer. |
| *p* Cromer .. .. | 196 | 52 | 9th | 32 | 10th | 46·0 | 35·4 | 40·9 | + 3·6 | 11 | 27 | 5 | 1·12 | — | 1·6 | — | 22 | * | * | * | * | * | * | |
| *p* Little Massingham .. | 280 | 51 | 9, 10 | 29 | 7th | 45·3 | 34·9 | 40·3 | + 3·0 | 9 | 29 | 4 | 1·36 | + 0·88 | 1·2 | − 0·2 | 16 | 3 | 22 | * | * | * | * | Lit. Massingham. |
| *a*, North .. *a* Yarmouth .. | 17 | 52 | 8, 9 | 32 | 8th | 45·6 | 35·9 | 40·9 | + 2·8 | 10 | 25 | 6 | 2·16 | + 1·73 | 1·5 | — | 20 | * | * | 38·9 | −0·1 | 44·4 | +0·9 | Yarmouth. |
| *a* Norwich .. .. | 93 | 53 | 8, 9 | 31 | 7th | 44·9 | 35·9 | 40·6 | + 2·7 | 8 | 25 | 7 | 1·70 | — | *1·6* | ° | *21* | 2 | 27 | 37·2 | * | * | * | *Norwich.* |
| *p* Geldeston .. .. | 37 | 54 | 9, 10 | 31 | 7th | 46·7 | 36·1 | 41·6 | + 3·1 | 13 | 25 | 7 | 1·54 | + 1·14 | 1·7 | + 0·1 | 22 | * | * | * | * | * | * | Geldeston. |
| *p* Cambridge .. .. | 41 | 55 | 9th | 28 | 7th | 47·9 | 36·6 | 42·5 | + 4·5 | 26 | 15 | 4 | 1·23 | + 0·91 | 1·4 | − 0·1 | 18 | 4 | 22 | 38·4 | −0·6 | 43·1 | −0·6 | Cambridge. |
| *a Felixstowe* .. | *10* | *55* | *9th* | *31* | *7th* | *45·4* | *36·3* | *41·0* | *+ 2·1* | *10* | *23* | *5* | *1·19* | — | *1·7* | — | *22* | * | * | * | * | * | * | *Felixstowe.* |
| *a* Clacton-on-Sea .. | 54 | 55 | 9th | 31 | 8th | 45·9 | 36·1 | 41·2 | + 2·5 | 11 | 25 | 4 | 1·33 | — | 1·7 | — | 22 | 2 | 27 | 39·7 | −1·1 | 44·6 | −1·2 | Clacton. |
| *b*, South .. *a* Rothamsted .. | 424 | 55 | 9th | 28 | 7th | 47·6 | 35·4 | 41·7 | + 3·9 | 16 | 28 | 5 | 0·47 | 0·00 | 1·1 | − 0·4 | 14 | * | * | * | * | * | * | Rothamsted. |
| *a Shoeburyness* .. | *13* | *55* | *9th* | *31* | *7, 8* | *47·3* | *37·1* | *42·4* | *+ 3·4* | *23* | *14* | *5* | *0·54* | *+ 0·24* | *1·5* | — | *20* | *4* | 25 | 40·1 | −0·2 | * | * | *Southend.* |
| *p* Tottenham .. .. | 51 | 52 | 9, 10 | 30 | 7th | 47·3 | 39·6 | 43·6 | + 4·7 | 21 | 7 | 5 | 0·32 | — | 0·6 | — | 8 | 2 | 26 | * | * | 45·4 | +0·2 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate .. .. | 476 | 51 | 9th | 27 | 7th | 43·4 | 33·9 | 38·8 | + 1·6 | 4 | 30 | — | — | — | *0·9* | — | *12* | 2 | 23 | 38·4 | −0·9 | 43·2 | +0·8 | *Huddersfield.* |
| *a* Bawtry .. .. | 65 | 55 | 9th | 28 | 7th | 45·7 | 35·3 | 40·7 | + 2·9 | 10 | 27 | 6 | 1·00 | + 0·45 | 1·2 | — | 16 | 2 | 23 | 39·1 | −0·1 | 41·2 | 0·0 | Harrogate. |
| *p Buxton* .. .. | *987* | *50* | *9th* | *25* | *7th* | *43·6* | *34·7* | *39·3* | *+ 3·6* | *4* | *28* | 5 | 0·72 | + 0·33 | 1·1 | 0·0 | 15 | 4 | 18 | 38·3 | * | 42·1 | * | Worksop. |
| *a*, East .. *a* Nottingham .. | 82 | 56 | 9th | 27 | 8th | 47·4 | 35·6 | 41·7 | + 3·7 | 15 | 28 | *6* | *2·63* | *+ 0·90* | *0·5* | — | *7* | 3 | 16 | 38·6 | −0·1 | 43·8 | +0·5 | *Buxton.* |
| *p* Birmingham, Edgbsn. | 535 | 54 | 9th | 30 | 7th | 46·4 | 36·7 | 41·7 | + 3·8 | 12 | 23 | 5 | 0·90 | + 0·47 | 0·7 | — | 10 | 3 | 21 | 38·5 | +0·8 | 40·9 | −0·4 | Nottingham. |
| *a* Raunds .. .. | 204 | 56 | 9th | 25 | 7th | 47·7 | 34·0 | 41·1 | + 3·6 | 16 | 34 | 6 | 0·70 | + 0·22 | 1·2 | — | 16 | 3 | 20 | 41·4 | +1·1 | 45·8 | +0·7 | Birmingham. |
| *p* Oxford .. .. | 208 | 56 | 9th | 29 | 7th | 48·1 | 38·6 | 43·5 | + 4·6 | 25 | 10 | 4 | 0·73 | — | *1·8* | — | *24* | 4 | 12 | 39·1 | * | 46·4 | * | *Raunds.* |
| | | | | | | | | | | | | 5 | 0·37 | − 0·05 | 1·5 | 0·0 | 20 | 4 | 21 | * | * | * | * | Oxford. |
| | | | | | | | | | | | | — | — | — | 1·6 | — | *22* | 3 | 25 | 39·4 | +0·8 | 43·7 | +0·8 | Sheffield. |
| *a* Cheadle .. .. | 646 | 52 | 9th | 28 | 7, 8 | 46·1 | 34·1 | 40·3 | + 3·2 | 11 | 32 | 5 | 1·25 | + 0·66 | * | * | * | 3 | 22 | * | * | * | * | Cheadle. |
| *p* Shrewsbury .. | 191 | 56 | 9th | 30 | 7th | 49·7 | 37·4 | 43·8 | + 4·7 | 32 | 13 | 6 | 0·59 | — | * | * | * | 1 | 28 | * | * | * | * | Shrewsbury. |
| *b*, West .. *a* Hereford§ .. | 291 | 55 | 8th | 28 | 7, 8 | 48·7 | 36·1 | 42·7 | + 4·2 | 30 | 17 | 4 | 0·22 | − 0·28 | *2·0* | — | *26* | 3 | 20§ | 39·1 | * | 42·5 | * | *Malvern.*§ |
| *a* Cirencester .. | 446 | 55 | 9th | ? | ? | 46·8 | ? | ? | ? | ? | ? | 4 | 0·36 | − 0·20 | 1·6 | + 0·1 | 21 | * | * | 40·2 | * | 44·0 | * | Cirencester. |
| *a* Bath .. .. | 66 | 56 | 9th | 28 | 8th | 50·1 | 38·1 | 44·3 | + 4·5 | 32 | 11 | 4 | 0·38 | − 0·20 | 1·5 | — | 20 | * | * | 38·9 | −2·5 | 44·2 | −1·8 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | — | — | — | * | * | * | * | * | 40·9 | −0·7 | 46·7 | +1·5 | Canterbury. |
| *p* Kew .. .. | 18 | 55 | 9th | 30 | 7th | 47·9 | 39·7 | 44·0 | + 4·8 | 24 | 6 | 4 | 0·37 | − 0·02 | 1·3 | 0·0 | 17 | 4 | 17 | 38·7 | −1·1 | 44·2 | −0·6 | Kew. |
| *a* Marlborough .. | 424 | 53 | 9, 10 | 22 | 7th | 47·3 | 35·3 | 41·5 | + 3·7 | 15 | 29 | 5 | 0·46 | − 0·14 | 1·1 | − 0·1 | 14 | 3 | 15 | * | * | 45·2 | * | Marlborough. |
| *a* Margate .. .. | 35 | 55 | 9th | 33 | 8th | 48·1 | 38·1 | 43·3 | + 3·6 | 25 | 11 | 4 | 0·79 | + 0·38 | 1·5 | 0·0 | 20 | 0 | 31 | 43·1 | +2·4 | 46·9 | +3·0 | Margate. |
| *a* Wisley, Surrey .. | 150 | 55 | 9th | 29 | 7, 8 | 48·1 | 37·3 | 42·9 | + 3·5 | 26 | 13 | 4 | 0·39 | — | 1·6 | — | 21 | 4 | 15 | 39·9 | * | 43·0 | * | Wisley. |
| | | | | | | | | | | | | — | — | — | 1·6 | — | 20 | 2 | 25 | 39·2 | −1·1 | 45·0 | −0·3 | Worthing. |
| *p* Salisbury (Wilton) .. | 180 | 55 | 10th | 27 | 7th | 48·6 | 36·1 | 42·6 | + 4·5 | 29 | 17 | 7 | 0·29 | − 0·38 | * | * | * | 4 | 20 | 38·9 | * | * | * | Salisbury. |
| *a* Tunbridge Wells .. | 418 | | | | | | | | | | | — | — | — | * | * | * | * | * | * | * | * | * | Tunbridge Wells. |
| *a* Dungeness .. .. | 21 | 48 | 5, 9, 10 | 28 | 7th | 46·0 | 36·0 | 41·2 | + 1·2 | 11 | 25 | 5 | 0·87 | + 0·44 | 1·9 | — | 24 | * | * | * | * | * | * | Littlestone. |
| *p* Hastings .. .. | 178 | 52 | 9, 10 | 30 | 7th | 46·9 | 37·9 | 42·6 | + 2·5 | 21 | 11 | 5 | 0·70 | + 0·14 | *2·0* | *+ 0·1* | *25* | 5 | 23 | 39·6 | * | 44·6 | * | *Hastings.* |
| *p* Southampton .. | 65 | 54 | 9th | 29 | 7th | 48·7 | 38·9 | 44·0 | + 4·0 | 27 | 9 | 5 | 0·22 | − 0·40 | 1·8 | + 0·2 | 23 | 4 | 21 | * | * | * | * | Southampton. |
| *a* Ventnor .. .. | 80 | 52 | 9th | 33 | 7th | 49·0 | 41·0 | 45·2 | + 2·7 | 27 | 3 | 6 | 0·49 | − 0·10 | 1·8 | + 0·1 | 23 | * | * | * | * | * | * | Ventnor. |
| | | | | | | | | | | | | — | — | — | *2·1* | — | *27* | 3 | 21 | 41·9 | 0·0 | 45·2 | −1·0 | *Portsmouth.* |
| | | | | | | | | | | | | — | — | — | 1·8 | + 0·1 | 23 | * | * | 41·5 | * | 46·2 | * | Eastbourne. |
| | | | | | | | | | | | | — | — | — | *2·0* | — | *25* | * | * | 39·7 | * | 42·7 | * | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | — | — | — | * | * | * | * | * | * | * | * | * | *Brighton.* |
| *a Westminster* .. .. | *27* | *56* | *9th* | *30* | *7th* | *49·1* | *38·4* | *44·0* | *+ 4·8* | *29* | *10* | *4* | *0·33* | *− 0·06* | *0·2* | *− 0·3* | *3* | 2 | 26 | * | * | * | * | *Westminster.* |
| *a Greenwich* .. .. | *155* | *55* | *9th* | *29* | *7, 8* | *48·7* | *37·6* | *43·4* | *+ 3·5* | *28* | *12* | *5* | *0·39* | *0·00* | *0·2* | *− 1·0* | *3* | 4 | 17 | * | * | * | * | *Greenwich.* |
| *a Hampstead* .. .. | *375* | *53* | *9th* | *28* | *7th* | *46·1* | *36·0* | *41·3* | — | *11* | *26* | *4* | *0·37* | — | *1·0* | — | *13* | 5 | 12 | * | * | * | * | *Hampstead.* |
| *a Camden Square* .. | *110* | *56* | *9th* | *30* | *7th* | *48·9* | *37·9* | *43·6* | — | *28* | *11* | *5* | *0·36* | — | *0·6* | — | *8* | 4 | 23 | * | * | * | * | *Camden Square.* |
| | | | | | | | | | | | | — | — | — | *0·7* | — | *10* | 2 | 18 | 37·9 | −1·0 | 42·9 | +0·6 | *Burnley.* |
| **7.** *a*. ENGLAND, N.W. | | | | | | | | | | | | — | — | — | 1·0 | — | 14 | * | * | * | * | * | * | Hoylake. |
| *p* Aspatria .. .. | 250 | 51 | 9th | 27 | 7th | 46·1 | 35·1 | 40·8 | + 2·5 | 11 | 28 | 6 | 1·77 | + 1·07 | 0·8 | — | 11 | 2 | 16 | 39·8 | * | 44·3 | * | Aspatria. |
| *p* Newton Rigg .. .. | 559 | 51 | 9th | 22 | 7th | 45·7 | 33·4 | 39·8 | + 2·8 | 10 | 34 | 6 | 1·23 | + 0·45 | 0·3 | − 0·9 | 4 | †4 | 13 | 39·2 | +0·3 | 42·2 | +0·6 | Newton Rigg. |
| *p* Stonyhurst .. .. | 375 | 50 | 9th | 28 | 7th | 45·6 | 37·1 | 41·5 | + 3·2 | 10 | 21 | 6 | 3·05 | + 2·08 | 0·9 | − 0·1 | 12 | 4 | 18 | * | * | * | * | Stonyhurst. |
| *p* Blackpool .. .. | 66 | 49 | 9, 10 | 27 | 7th | 46·4 | 38·7 | 42·7 | + 3·6 | 19 | 9 | 5 | 1·20 | + 0·57 | 1·2 | + 0·2 | 16 | 1 | 19 | 42·1 | * | 46·1 | * | Blackpool. |
| *p* Manchester (Whit. Pk.) | 125 | 53 | 9th | 28 | 7th | 45·9 | 38·3 | 42·3 | + 3·1 | 18 | 10 | 5 | 1·46 | + 0·88 | *0·1* | *− 0·5* | *1* | * | * | * | * | * | * | *Whit. Park.* |
| *a* Liverpool (Bidston) .. | 188 | 53 | 8, 9 | 35 | 8th | 48·0 | 39·9 | 44·1 | + 3·9 | 24 | 6 | 7 | 0·71 | + 0·21 | *1·5* | — | *20* | * | * | * | * | * | * | *Liverpool.* |
| *a Hawarden Bridge* .. | *22* | *53* | *9th* | *35* | *7th* | *48·3* | *40·3* | *44·5* | *+ 3·8* | *25* | *5* | *6* | *0·82* | *+ 0·40* | *1·3* | *+ 0·2* | *18* | 1 | 18 | 39·4 | +1·3 | 42·0 | +0·4 | *Southport.* |
| *b*, NORTH WALES. | | | | | | | | | | | | — | — | — | *0·3* | — | *4* | 1 | 24 | 38·5 | −0·3 | 44·6 | +0·8 | *Manchester (City).* |
| *p* Llandudno .. .. | 71 | 53 | 8, 9 | 35 | 5th | 48·1 | 40·6 | 44·5 | + 2·7 | 23 | 4 | 7 | 1·18 | + 0·58 | 1·0 | − 0·4 | 14 | * | * | * | * | * | * | Llandudno. |
| *a* Holyhead .. .. | 57 | 50 | 4, 8, 9 | 36 | 6th | 47·6 | 41·3 | 44·6 | + 2·3 | 21 | 2 | 5 | 0·92 | + 0·18 | *1·3* | — | *18* | * | * | * | * | * | * | *Holyhead.* |
| *p* Bettws-y-Coed .. | 101 | | | | | | | | | | | — | — | — | * | * | * | * | * | * | * | * | * | Bettws-y-Coed. |
| | | | | | | | | | | | | — | — | — | 1·0 | — | 13 | * | * | * | * | * | * | Aberdovey. |

* For notes see also opposite page.

† At 3 feet.

§ The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average. | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | Day° | Day° | • | In. | In. | Hr. | Hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES. | | | | | | | | | | | | | | | 0·9 | — | 12 | | | | | | | Aberystwyth. |
| *a* Llangammarch Wells | 550 | 62 | 9, 10 | 27 | 7th | 46·7 | 37·1 | 42·1 | + 4·5 | 21 | 14 | 7 | 1·90 | — | 0·8 | — | 11 | 3 | 20 | 40·3 | +0·3 | 45·3 | -0·1 | Llangammarch |
| *a* Pembroke .. .. | 149 | ?53 | 8, 9 | 37 | 6th | 49·7 | 42·9 | 46·4 | + 3·1 | 31 | 0 | 6 | 0·88 | + 0·07 | 0·8 | - 0·8 | 10 | • | • | • | • | • | • | Pembroke.[Wells |
| *p* Cardiff .. .. .. | 203 | 52 | 9, 10 | 32 | 7th | 48·3 | 40·3 | 44·5 | + 4·9 | 25 | 5 | 5 | 1·39 | + 0·49 | *1·6* | — | *21* | 2 | 24 | 40·4 | +0·2 | 44·5 | -0·1 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 54 | 10th | 25 | 7th | 48·0 | 38·0 | 43·2 | + 2·7 | 25 | 11 | 5 | 0·84 | + 0·16 | *1·2* | — | *16* | 2 | 25 | • | • | • | • | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 52 | 9th | 30 | 7th | 45·7 | 36·9 | 41·5 | + 3·5 | 10 | 22 | 5 | 0·38 | - 0·20 | • | • | • | • | • | 38·9 | • | 43·9 | • | Shaftesbury. |
| *a* Arlington .. .. | 613 | 51 | 8-10 | 31 | 7, 8 | 46·9 | 38·1 | 42·7 | + 2·9 | 21 | 11 | 6 | 2·12 | + 0·95 | • | • | • | • | • | • | • | • | • | Arlington. |
| *a Newquay* .. .. | *190* | *53* | *8-10* | *36* | *8th* | *49·6* | *43·3* | *46·6* | + *2·3* | *32* | *0* | 7 | *0·65* | - 0·10 | 1·3 | - 0·3 | 16 | 0 | 31 | 44·2 | • | • | • | Newquay. |
| *a* Cullompton .. .. | 202 | 55 | 9th | 29 | 7, 8 | 49·1 | 37·9 | 43·7 | + 3·5 | 29 | 11 | 6 | 0·43 | - 0·34 | 1·5 | + 0·2 | 19 | 4 | 21 | 41·7 | • | • | • | Cullompton. |
| *a* Portland .. .. | 19 | 51 | 9th | 37 | 7th | 48·4 | 42·4 | 45·5 | + 3·0 | 25 | 0 | 5 | 0·48 | — | *1·9* | — | *24* | • | • | • | • | • | • | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 53 | 9th | 30 | 7th | 50·1 | 41·4 | 45·9 | + 3·2 | 30 | 2 | 7 | 0·67 | - 0·18 | 1·4 | - 0·2 | 18 | 1 | 25 | 42·1 | -1·0 | • | • | Plymouth. |
| *a* Falmouth .. .. | 167 | 53 | 9, 10 | 35 | 7th | 50·3 | 41·1 | 45·9 | + 1·8 | 31 | 3 | 6 | 0·83 | - 0·30 | 1·7 | - 0·1 | 21 | 2 | 24 | 43·5 | • | 47·0 | • | Falmouth. |
| **9.** IRELAND. N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Malin Head .. .. | 208 | 51 | 8, 9 | 34 | 6th | 46·3 | 39·1 | 42·8 | + 1·3 | 18 | 8 | 5 | 1·01 | + 0·36 | • | • | • | • | • | • | • | • | • | |
| *a*, West .. *a* Blacksod Point | 37 | 53 | 7, 8, 9 | 35 | 6th | 49·7 | 41·7 | 45·9 | + 3·0 | 29 | 1 | 7 | 1·22 | + 0·02 | • | • | • | • | • | • | • | • | • | |
| *p* Markree Castle .. | 122 | 54 | 8, 9 | 28 | 7th | 49·0 | 38·0 | 43·7 | + 3·8 | 29 | 11 | 6 | 0·58 | - 0·33 | 0·7 | - 0·5 | 10 | 3 | 22 | 41·7 | • | 45·3 | • | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 55 | 8, 9 | 31 | 7, 8 | 48·1 | 37·0 | 42·8 | + 2·8 | 27 | 14 | 6 | 0·37 | - 0·30 | *1·3* | - *0·2* | *18* | • | • | • | • | • | • | *Birr Castle.* |
| *b*, East .. *p* Armagh .. | 196 | 54 | 9th | 30 | 6, 7 | 46·6 | 39·7 | 42·8 | + 3·0 | 19 | 9 | 3 | 0·63 | + 0·65 | 0·9 | - 0·4 | 12 | 2 | 24 | 40·4 | - 0·5 | 43·9 | - 0·3 | Armagh. |
| *a* Donaghadee .. .. | 40 | 54 | 9th | 31 | 7, 8 | 47·0 | 37·1 | 42·3 | + 1·4 | 23 | 14 | 7 | 1·09 | + 0·46 | • | • | • | • | • | • | • | • | • | |
| | | | | | | | | | | | | — | — | — | • | • | • | 3 | 21 | 41·8 | +0·5 | 44·3 | - 0·3 | Trinity Coll. |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 1·6 | - 0·2 | 22 | 3 | 23 | • | • | • | • | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 56 | 8, 9 | 32 | 7th | 49·4 | 41·0 | 45·4 | + 3·5 | 28 | 3 | 4 | 0·36 | - 0·12 | • | • | • | 1 | 29 | • | • | • | • | Dublin City. |
| *a*, East .. *a* Kilkenny .. | 195 | 56 | 9th | 24 | 7th | 49·1 | 36·6 | 43·1 | + 2·6 | 30 | 15 | 6 | 0·50 | - 0·26 | • | • | • | • | • | • | • | • | • | |
| *a* Waterford .. | 100 | 54 | 9th | 26 | 8th | 48·3 | 37·7 | 43·2 | + 1·4 | 26 | 12 | 6 | 0·89 | - 0·03 | • | • | • | • | • | • | • | • | • | |
| *a Carrick-on-Suir* .. | *541* | *57* | *9 th* | *32* | *5-7* | *49·3* | *39·0* | *44·4* | — | *29* | *8* | *6* | *0·79* | — | *2·4* | — | *32* | 3 | 23 | • | • | • | • | *Carrick-on-Suir.* |
| *a* Birr Castle .. .. | 175 | 55 | 8, 9 | 31 | 7, 8 | 48·1 | 37·0 | 42·8 | + 2·8 | 27 | 14 | 6 | 0·37 | - 0·30 | 1·3 | - 0·2 | 18 | • | • | • | • | • | • | Birr Castle. |
| *a* Foynes .. .. | 108 | 56 | 9th | 35 | 5, 6, 8 | 50·3 | 39·1 | 44·9 | + 2·6 | 32 | 8 | 7 | 0·67 | - 0·23 | • | • | • | • | • | • | • | • | • | |
| *b*, West .. *a* Cahir .. .. | 199 | 55 | 9th | 29 | 7th | 48·7 | 38·1 | 43·6 | + 1·9 | 28 | 11 | 7 | 0·91 | — | • | • | • | • | • | • | • | • | • | |
| *a* Killarney .. .. | 174 | 55 | 8th | 35 | 7th | 50·6 | 41·6 | 46·3 | + 3·5 | 32 | 1 | 6 | 0·99 | - 0·51 | • | • | • | • | • | • | • | • | • | |
| *a* Valencia .. .. | 30 | 54 | 8, 9 | 34 | 7th | 50·7 | 42·4 | 46·7 | + 1·6 | 33 | 0 | 7 | 1·29 | - 0·05 | 1·2 | - 0·3 | 16 | • | • | • | • | • | • | Valencia. |
| *a* Roche's Point .. | 32 | 52 | 8, 9 | 32 | 8th | 49·1 | 40·6 | 45·0 | + 1·1 | 27 | 4 | 7 | 1·07 | - 0·03 | 1·3 | — | 17 | • | • | • | • | • | • | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 53 | 8-10 | 40 | 6th | 51·4 | 44·9 | 48·3 | + 1·8 | 44 | 0 | 7 | 0·81 | + 0·01 | 1·5 | - 0·3 | 19 | • | • | • | • | • | • | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 53 | 9th | 37 | 8th | 50·3 | 42·0 | 46·3 | + 3·0 | 30 | 0 | 6 | 0·94 | + 0·17 | 1·7 | - 0·4 | 21 | • | • | • | • | • | • | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 53 | 9th | 38 | 6th | 50·7 | 42·4 | 46·7 | + 2·6 | 33 | 0 | 6 | 1·17 | + 0·34 | 2·0 | + 0·5 | 25 | 0 | 32 | 43·6 | -0·9 | 47·4 | -0·5 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 1·8 hrs. 23 °/₀; Ramsgate, 1·8 hrs. 23 °/₀; Rhyl, 1·3 hrs. 18 °/₀; Salcombe, 2·0 hrs. 25 °/₀; Tenby, 1·1 hrs. (-0·6) 14 °/₀; Torquay, 2·0 hrs. (+0·2) 25 °/₀.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA.

Week ending on morning of Saturday, Jan. 10th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 45 | 44 | 44·4 | +0·6 |
| Kirkwall .. .. | 44 | 40 | 42·0 | +0·8 |
| Wick .. .. .. | 44 | 44 | 44·0 | -1·0 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 43 | 37 | 40·4 | 0·0 |
| Pennan Bay .. .. | 45 | 42 | 43·1 | +2·3 |
| Aberdeen, Cove Bay | 43 | 42 | 42·3 | +1·5 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 46 | 45 | 45·3 | -0·8 |
| Ballantrae .. .. | 45 | 41 | 43·3 | +0·3 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 41 | 41 | 42·5 | +0·9 |
| Scarborough .. .. | 42 | 37 | 39·7 | -2·8 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 43 | 40 | 42·0 | -0·1 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 44 | 40 | 42·1 | -0·7 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 48 | 45 | 46·9 | +0·1 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 47 | 46 | 46·5 | -2·7 |
| Scilly .. .. .. | 49 | 47 | 47·9 | — |
| Plymouth‡ .. .. | 49 | 47 | 48·0 | -0·4 |
| Salcombe .. .. | 49 | 44 | 47·3 | -0·3 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 46 | 43 | 44·6 | -0·6 |
| Teelin .. .. .. | 48 | 43 | 45·5 | 0·0 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 47 | 45 | 45·6 | +1·3 |
| Seafield .. .. | 49 | 41 | 45·1 | -1·1 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS.

Week ending at midnight (24h.) on Saturday, Jan. 10th.

| DISTRICT AND STATION | Height above Ground. | Distribution of Wind. Gales, force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hrs. | | hrs. | hrs. | hrs. | m/s. | | m/s. | d. | h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | | | |
| Aberdeen .. .. | 72 | — | — | 5, 6 | 10 | 97 | 61 | WNW. 13 | 6th 5h. | 20 | 9th | 4. 50 |
| **6.** SCOTLAND, W. | | | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | — | — | — | — | — | — | — | — | — |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 86 | 82 | NW. 11 | 6th 12h. | 20 | 6th | 11. 45 |
| South Shields .. | 61 | 4th | 1 | 4, 5, 10 | 50 | 85 | 52 | W. 17 | 4th 19h. | 26 | 4th | 18. 20 |
| Spurn Head .. | 40 | — | — | 4-7, 10 | 57 | 91 | 17 | ESE. 14 | 10th 10h. | 20 | 4th | 21. 35 |
| **3.** ENGLAND, E. | | | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 6, 7, 10 | 21 | 95 | 48 | — 12 | 10th 21h. | 19 | 5th | 5. 10 |
| Shoeburyness .. .. | 90 | — | — | — | — | 69 | 51 | — 10 | 6th 12h. | 18 | 6th | 15. 57 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | |
| Pyrton Hill .. | 45 | — | — | — | — | — | — | — | — | — | — | — |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 5-8 | 35 | 116 | 17 | — 16 | 6th 13h. | 21 | 9th | 11. 40 |
| Warlingham .. | 33 | — | — | — | — | 65 | 90 | — 10 | 5th 4h. | 16 | 5th | 3. 15 |
| Brighton .. .. | 53 | — | — | — | — | 87 | 57 | — 11 | 6th 12h. | 18 | 6th | 14. 5 |
| Kew .. .. | 40 | — | — | — | — | 67 | 101 | — 11 | 5th 6h. | 17 | 5th | 7. 19 |
| South Kensington | 92 | — | — | — | — | 2 | 163 | SSW. 6 | 5th 6h. | 11 | 5th | 5. 15 |
| **7.** ENGLAND, N.W. | | | | | | | | | | | | |
| Southport .. | 50 | 4—6 | 20 | 4-6, 8, 9 | 57 | 61 | 30 | W. 20 | 5th 14h. | 28 | 5th | 23. 20 |
| Holyhead .. .. | 40 | — | — | — | — | 23 | 31 | SW. 9 | 9th 1h. | 13 | 9th | 3. 40 |
| **8.** ENGLAND, S.W. | | | | | | | | | | | | |
| Pendennis Castle | 65 | — | — | 4-6, 8-10 | 79 | 61 | 28 | WSW. 17 | 5th 7h. | 24 | 6th | 7. 0 |
| Plymouth .. | 88 | — | — | 5th | 1 | 50 | 117 | — 11 | 5th 5h. | 17 | 5th | 4. 45 |
| **10.** IRELAND, S. | | | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 4-6, 9 | 48 | 58 | 47 | — 16 | 5th 15h. | 26 | 5th | 19. 35 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — — | — | — | — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | |
| Scilly .. .. | 19 | — | — | 4-6 | 47 | 85 | 35 | NW. 17 | 6th 3h. | 26 | 5th | 22. 0 |

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total 168 hours is the number of hours of missing or defective record.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**FIRST WEEK**—January 4th to January 10th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (†25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (†25 Yrs.) | Below 42° | Difference from Av. (†25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | Day-deg. | Day-deg. | Day-deg. | Day-deg. | | | Inches. | Inches. | Hr. | Hr. | % | Mb. |
| 0. SCOTLAND, NORTH ... | 51 | 24 | 43·9 | 36·1 | 40·2 | + 2·4 | 5 | − 1 | 23 | −14 | 7 | + 2 | 1·95 | +0·86 | 0·3 | −0·4 | 5 | 1004 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 50 | 17 | 42·7 | 34·6 | 38·8 | + 2·4 | 2 | − 3 | 27 | −17 | 6 | + 2 | 1·28 | +0·68 | 0·6 | −0·3 | 10 | 1007 |
| 2. ENGLAND, N.E. ... ... | 54 | 25 | 45·0 | 34·9 | 40·2 | + 2·4 | 8 | + 2 | 29 | − 8 | 5 | + 1 | 1·02 | +0·60 | 1·3 | +0·2 | 17 | 1011 |
| 3. ENGLAND, EAST ... | 55 | 28 | 46·4 | 36·2 | 41·5 | + 4·2 | 12 | + 4 | 25 | −17 | 5 | + 1 | 1·25 | +0·80 | 1·4 | +0·1 | 18 | 1014 |
| 4 MIDLAND COUNTIES ... | 56 | 25 | 47·3 | 36·0 | 41·9 | + 4·7 | 15 | + 6 | 26 | −16 | 5 | + 1 | 0·66 | +0·11 | 1·3 | +0·1 | 17 | 1016 |
| 5. ENGLAND, S.E. ... ... | 55 | 22 | 47·8 | 37·8 | 43·0 | + 3·9 | 25 | + 13 | 12 | −20 | 5 | + 1 | 0·51 | −0·03 | 1·6 | +0·2 | 20 | 1016 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 54 | 23 | 45·8 | 36·8 | 41·5 | + 2·8 | 11 | + 3 | 22 | − 9 | 6 | + 1 | 1·80 | +0·71 | 1·0 | 0·0 | 13 | 1010 |
| 7. ENGLAND, N.W. ... ... | 53 | 22 | 46·7 | 38·1 | 42·5 | + 3·4 | 20 | + 10 | 11 | −19 | 6 | + 2 | 1·44 | +0·76 | 0·9 | −0·1 | 12 | 1014 |
| 8. ENGLAND, S.W. ... ... | 55 | 25 | 48·3 | 39·6 | 44·1 | + 3·1 | 25 | + 9 | 7 | −16 | 6 | + 1 | 0·99 | +0·08 | 1·2 | −0·3 | 15 | 1018 |
| 9. IRELAND, NORTH ... | 55 | 28 | 47·8 | 38·6 | 43·4 | + 3·2 | 24 | + 12 | 10 | −15 | 6 | + 1 | 0·82 | +0·01 | 0·8 | −0·4 | 11 | 1011 |
| 10. IRELAND, SOUTH ... | 56 | 24 | 49·4 | 39·3 | 44·6 | + 2·6 | 30 | + 10 | 8 | −11 | 6 | + 1 | 0·78 | −0·27 | 1·4 | −0·1 | 18 | 1016 |
| 11. ENGLISH CHANNEL ... | 53 | 37 | 50·8 | 43·1 | 47·1 | + 2·6 | 36 | + 10 | 0 | − 9 | 6 | + 1 | 0·97 | +0·17 | 1·7 | −0·2 | 21 | 1021 |

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 6 Weeks, November 30th, 1913, to January 10th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 57 | 14 | * | * | * | * | 57 | + 11 | 131 | −65 | 34 | + 3 | 9·54 | +2·06 | 0·4 | −0·3 | 7 | |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 59 | 5 | * | * | * | * | 47 | + 7 | 182 | −62 | 23 | − 2 | 3·87 | +0·03 | 1·2 | +0·2 | 17 | |
| 2. ENGLAND, N.E. ... ... | 56 | 9 | * | * | * | * | 71 | + 24 | 147 | −52 | 16 | − 6 | 2·16 | −0·70 | 1·3 | +0·1 | 18 | |
| 3. ENGLAND, EAST ... | 57 | 21 | * | * | * | * | 87 | + 32 | 137 | −90 | 19 | − 5 | 2·03 | −0·61 | 1·5 | +0·1 | 20 | |
| 4. MIDLAND COUNTIES ... | 58 | 16 | * | * | * | * | 90 | + 30 | 147 | −84 | 19 | − 4 | 1·98 | −1·24 | 1·1 | −0·1 | 15 | |
| 5. ENGLAND, S.E. ... ... | 58 | 17 | * | * | * | * | 118 | + 31 | 106 | −59 | 18 | − 6 | 2·21 | −1·18 | 1·5 | +0·1 | 20 | |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 57 | 18 | * | * | * | * | 68 | + 4 | 116 | −42 | 29 | 0 | 6·39 | −0·63 | 1·1 | +0·1 | 15 | |
| 7. ENGLAND, N.W. ... ... | 57 | 16 | * | * | * | * | 96 | + 27 | 74 | −85 | 23 | − 2 | 4·30 | −0·07 | 0·9 | −0·1 | 13 | |
| 8. ENGLAND, S.W. ... ... | 56 | 11 | * | * | * | * | 131 | + 19 | 80 | −36 | 25 | − 3 | 4·28 | −1·61 | 1·3 | −0·2 | 17 | |
| 9. IRELAND, NORTH ... | 57 | 17 | * | * | * | * | 110 | + 31 | 78 | −59 | 28 | − 2 | 4·76 | −0·29 | 0·9 | −0·3 | 12 | |
| 10. IRELAND, SOUTH ... | 57 | 17 | * | * | * | * | 128 | − 3 | 79 | −25 | 26 | − 3 | 3·52 | −2·70 | 1·2 | −0·3 | 15 | |
| 11. ENGLISH CHANNEL ... | 56 | 30 | * | * | * | * | 191 | + 10 | 46 | + 9 | 26 | − 4 | 4·61 | −0·49 | 1·4 | −0·5 | 18 | |

THE YEAR.—Aggregates, &c., for the Period of 1 Week, January 4th, 1914, to January 10th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 51 | 24 | * | * | * | * | 5 | − 1 | 23 | − 14 | 7 | + 2 | 1·95 | +0·86 | 0·3 | −0·4 | 5 | 1004 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 50 | 17 | * | * | * | * | 2 | − 3 | 27 | − 17 | 6 | + 2 | 1·28 | +0·68 | 0·6 | −0·3 | 10 | 1007 |
| 2. ENGLAND, N.E. ... ... | 54 | 25 | * | * | * | * | 8 | + 2 | 29 | − 8 | 5 | + 1 | 1·02 | +0·60 | 1·3 | +0·2 | 17 | 1011 |
| 3. ENGLAND, EAST ... | 55 | 28 | * | * | * | * | 12 | + 4 | 25 | − 17 | 5 | + 1 | 1·25 | +0·80 | 1·4 | +0·1 | 18 | 1014 |
| 4. MIDLAND COUNTIES ... | 56 | 25 | * | * | * | * | 15 | + 6 | 26 | − 16 | 5 | + 1 | 0·66 | +0·11 | 1·3 | +0·1 | 17 | 1016 |
| 5. ENGLAND, S.E. ... ... | 55 | 22 | * | * | * | * | 25 | + 13 | 12 | − 20 | 5 | + 1 | 0·51 | −0·03 | 1·6 | +0·2 | 20 | 1016 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 54 | 23 | * | * | * | * | 11 | + 3 | 22 | − 9 | 6 | + 1 | 1·80 | +0·71 | 1·0 | 0·0 | 13 | 1010 |
| 7. ENGLAND, N.W. ... ... | 53 | 22 | * | * | * | * | 20 | + 10 | 11 | − 19 | 6 | + 2 | 1·44 | +0·76 | 0·9 | −0·1 | 12 | 1014 |
| 8. ENGLAND, S.W. ... ... | 55 | 25 | * | * | * | * | 25 | + 9 | 7 | − 16 | 6 | + 1 | 0·99 | +0·08 | 1·2 | −0·3 | 15 | 1018 |
| 9. IRELAND, NORTH ... | 55 | 28 | * | * | * | * | 24 | + 12 | 10 | − 15 | 6 | + 1 | 0·82 | +0·01 | 0·8 | −0·4 | 11 | 1011 |
| 10. IRELAND, SOUTH ... | 56 | 24 | * | * | * | * | 30 | + 10 | 8 | − 11 | 6 | + 1 | 0·78 | −0·27 | 1·4 | −0·1 | 18 | 1016 |
| 11. ENGLISH CHANNEL ... | 53 | 37 | * | * | * | * | 36 | + 10 | 0 | − 9 | 6 | + 1 | 0·97 | +0·17 | 1·7 | −0·2 | 21 | 1021 |

M.O., January 13, 1914.

## NOTES ON TABLE V.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) } No. 2. SECOND WEEK, SUNDAY, JANUARY 11TH, TO SATURDAY, JANUARY 17TH, 1914. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

**Barometer, Wind and Weather.** Throughout the whole of this week the weather was influenced by a large anticyclone, originally of great intensity, which advanced over the United Kingdom from northern Europe. The region of highest pressure was situated as a rule over our northern districts, and the prevailing winds were therefore from some Easterly quarter (North-East to South-East), gusts of gale force from the North-Eastward being experienced in the early part of the week on our east and south-east coasts. Over the country generally the weather was very dry, and in places bright, but the temperature varied very little. The highest maxima occurred during the night of Saturday, the 10th–11th. Over the more northern and eastern parts of England showers of snow or sleet, followed by cold rain, were frequent, and at the close of the week rain was experienced also at most of the Scottish stations. Frost occurred in all districts, but over a large portion of England and Ireland the sheltered thermometer did not fall below 25°. On the surface of the grass a temperature of 17° was recorded as far south as Wisley.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Deficient | Deficient | Moderate | Moderate | Deficient | Deficient | Deficient | Deficient | Deficient | Deficient | Deficient | Deficient |
| | Rainfall ... | Very light | Light | Moderate | Light | Light | Light | Very light | Very light | Very light | Nought | Very light | Very light |
| | Sunshine ... | Abundant | Moderate | Scanty | Scanty | Scanty | Moderate | Moderate | Moderate | Moderate | Scanty | Moderate | Moderate |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 7 weeks from Nov. 30th, 1913. | Warmth ... | 2 * 2 | 3 * 1 | 2 * 1 | 4 * 2 | 4 * 3 | 3 * 3 | 1 * 1 | 3 * 2 | 3 * 3 | 3 * 2 | 3 * 3 | 3 * 3 |
| | Rainfall ... | 2 * 1 | 2 * 3 | 1 * 3 | 1 * 5 | 0 * 4 | 1 * 4 | 3 * 4 | 3 * 4 | 1 * 4 | 2 * 4 | 1 * 5 | 3 * 4 |
| | Sunshine ... | 2 * 0 | 2 * 0 | 1 * 1 | 1 * 1 | 1 * 3 | 2 * 2 | 2 * 1 | 1 * 0 | 2 * 3 | 1 * 3 | 1 * 4 | 0 * 2 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 1912–13. Dec. 1st–March 1st. 13 weeks. | Warmth ... | 5 * 3 | 5 * 3 | 6 * 2 | 5 * 1 | 6 * 2 | 7 * 1 | 8 * 3 | 6 * 1 | 6 * 2 | 9 * 1 | 8 * 3 | 8 * 1 |
| | Rainfall ... | 6 * 5 | 5 * 3 | 4 * 3 | 5 * 2 | 5 * 3 | 5 * 3 | 5 * 3 | 5 * 3 | 7 * 3 | 6 * 2 | 6 * 2 | 5 * 4 |
| | Sunshine ... | 1 * 6 | 0 * 7 | 1 * 8 | 2 * 7 | 2 * 9 | 3 * 6 | 0 * 9 | 2 * 4 | 1 * 8 | 0 * 8 | 0 * 8 | 1 * 9 |
| SPRING, 1913. Mar. 2nd–May 31st. 13 weeks. | Warmth ... | 2 * 5 | 2 * 5 | 5 * 2 | 5 * 2 | 4 * 2 | 4 * 2 | 2 * 4 | 4 * 3 | 3 * 2 | 1 * 3 | 1 * 3 | 3 * 4 |
| | Rainfall ... | 6 * 2 | 5 * 3 | 5 * 4 | 5 * 2 | 7 * 3 | 6 * 1 | 8 * 2 | 7 * 3 | 6 * 1 | 7 * 2 | 6 * 1 | 7 * 3 |
| | Sunshine ... | 3 * 3 | 2 * 3 | 1 * 4 | 2 * 6 | 2 * 5 | 2 * 4 | 1 * 8 | 1 * 4 | 0 * 6 | 2 * 5 | 1 * 6 | 0 *10 |
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| | Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| | Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |

EXPLANATION OF NOMENCLATURE USED ABOVE.

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—The charts for the current week will be issued with the Statistical Tables for next week.**

(125—19.) Wt. 196—786. 450. 1/14. D & S. G. 17/36.

## II.—DATA from which the SUMMARY in Table V. has been calculated.

| Districts and Names of Stations reporting Temperature of Air and Rainfall. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean | Difference from Average. | Earth 4 ft. Mean. | Difference from Average. | Stations reporting Sunshine and Temperature on the Grass and in the Ground. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | *43* | *16, 17* | *29* | *14th* | *41·1* | *36·9* | *39·1* | — | *0* | *20* | *4* | *0·15* | — | *0·0* | | | | | 38·8 | | | | *Baltasound.* |
| *a* Islands .. *a* Lerwick .. | 54 | 44 | 17th | 35 | 14th | 41·3 | 37·6 | 39·5 | + 0·2 | 0 | 18 | 5 | 0·14 | — | 0·2 | - 0·7 | 3 | | | | | | | Deerness. |
| *a* Stornoway | 51 | 47 | 11th | 31 | 17th | 41·3 | 36·6 | 39·0 | - 0·2 | 0 | 21 | 0 | 0·00 | - 1·21 | 0·9 | 0·0 | 14 | | | | | | | Stornoway. |
| *a Castlebay, Barra Isd.* .. | *37* | *47* | *11th* | *34* | *15th* | *41·7* | *38·0* | *39·9* | *- 1·9* | *0* | *15* | *0* | *0·00* | — | *0·6* | — | *9* | | | | | | | *Castlebay.* |
| *a* Wick .. .. | 81 | 44 | 17th | 28 | 14, 15 | 39·3 | 33·1 | 36·3 | - 1·9 | 0 | 40 | 3 | 0·20 | - 0·40 | | | | | | | | | | |
| *b*, Main- *p* Strathpeffer .. | 200 | 46 | 11th | 21 | 14th | 39·0 | 27·4 | 33·4 | - 3·5 | 0 | 60 | 1 | 0·01 | - 0·72 | 1·5 | + 0·5 | 22 | | | | | | | Strathpeffer. |
| land. *p* Glencarron .. | 500 | 45 | 11th | 22 | 15th | 35·2 | 26·9 | 31·2 | - 5·5 | 0 | 76 | 0 | 0·00 | - 2·32 | | | | | | | | | | |
| *p* Fort Augustus.. | 68 | 47 | 11th | 17 | 15th | 36·4 | 25·0 | 30·9 | - 6·9 | 0 | 78 | 0 | 0·00 | - 1·27 | 2·7 | + 2·2 | 39 | | | | | | | Fort Augustus. |
| *p* Fort William .. | 175 | 46 | 11th | 19 | 15, 16 | 35·3 | 26·1 | 30·9 | - 8·6 | 0 | 78 | 0 | 0·00 | - 2·17 | | | | | | | | | | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle .. | 101 | 43 | 11th | 25 | 13th | 37·1 | 30·4 | 33·9 | - 4·4 | 0 | 57 | 2 | 0·08 | - 0·43 | 0·3 | — | 4 | 3 | 21 | 34·4 | -1·1 | 38·0 | -0·7 | Crathes S. |
| *a* Nairn .. .. | 82 | 43 | 11th | 17 | 14th | 34·7 | 26·1 | 30·6 | - 6·8 | 0 | 80 | 2 | 0·13 | - 0·30 | 1·5 | — | 22 | | | | | | | Nairn. |
| *a* Aberdeen .. .. | 46 | 43 | 17th | 29 | 15, 16 | 38·6 | 33·9 | 36·3 | - 1·4 | 0 | 40 | 1 | 0·06 | - 0·49 | 0·3 | - 1·2 | 4 | | | 40·1 | -0·1 | | | Aberdeen. |
| *a* Balmoral .. .. | 930 | 45 | 12th | 18 | 15th | 38·1 | 28·1 | 33·3 | - 1·0 | 0 | 61 | 1 | 0·08 | - 0·62 | | | | 6 | 15 | | | | | Balmoral. |
| *p* Crieff .. .. | 440 | 41 | 17th | 26 | 15th | 37·1 | 29·9 | 33·6 | - 3·6 | 0 | 59 | 2 | 0·06 | - 0·87 | 1·3 | | 19 | | | | | | | Balruddery. |
| *a* Leith .. .. | 18 | 42 | 17th | 33 | 12, 13, 17 | 38·6 | 34·0 | 36·4 | - 2·8 | 0 | 39 | 1 | 0·01 | - 0·56 | | | | | | | | | | |
| *p* West Linton .. | 800 | 37 | 17th | 24 | 16th | 33·7 | 28·0 | 31·0 | - 5·4 | 0 | 77 | 3 | 0·13 | — | *0·8* | — | *11* | | | | | | | *West Linton* |
| *p* Marchmont .. | 498 | 41 | 17th | 30 | 12, 13 | 37·9 | 32·1 | 35·1 | - 1·5 | 0 | 48 | 4 | 0·23 | - 0·30 | 0·9 | - 0·4 | 13 | 6 | 27 | 37·4 | +1·3 | | | Marchmont. |
| *Edinburgh* .. | *441* | *41* | *11th* | *30* | *13th* | *36·6* | *32·3* | *34·5* | — | *0* | *53* | *3* | *0·07* | — | 0·7 | - 0·2 | 10 | 7 | 22 | | | | | Edinburgh. |
| *b*, I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas .. .. | 277 | 42 | 11, 15, 17 | 32 | 14th | 40·9 | 34·0 | 37·6 | - 3·2 | 0 | 31 | 0 | 0·00 | - 0·83 | 1·7 | + 0·2 | 23 | 4 | 28 | | | | | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 43 | 17th | 32 | 13th | 39·6 | 34·9 | 37·3 | - 0·9 | 0 | 33 | *6* | 0·48 | - 0·06 | 0·3 | — | 4 | 3 | 27 | 36·3 | -0·4 | 40·5 | +0·7 | Cockle Park |
| *a* Shields .. .. | 96 | 43 | 14, 17 | 33 | 13, 17 | 40·7 | 35·3 | 38·1 | - 0·8 | 0 | 27 | 6 | 0·31 | - 0·09 | | | | 5 | 26 | | | | | |
| *p* Durham .. .. | 336 | 41 | 17th | 30 | 12, 13 | 37·9 | 32·6 | 35·4 | - 1·7 | 0 | 46 | 6 | 0·45 | + 0·07 | 0·1 | - 1·3 | 1 | 2 | 27 | | | | | Durham. |
| *a*, North .. *p* Rounton .. | 249 | 42 | 17th | 31 | 11-13 | 38·3 | 32·4 | 35·5 | - 1·7 | 0 | 46 | 6 | 0·38 | - 0·02 | | | | 5 | 25 | 37·2 | | | | Rounton. |
| *a West Witton* .. | *605* | *39* | *17th* | *30* | *12, 13* | *36·1* | *32·3* | *34·3* | — | *0* | *54* | *5* | *0·26* | — | | | | 5 | 28 | 38·3 | | 41·6 | | *West Witton.* |
| *p* Scarborough .. | 100 | 44 | 15th | 33 | 11, 13 | 40·7 | 35·7 | 38·3 | - 0·2 | 0 | 26 | 6 | 0·30 | - 0·16 | 0·2 | — | 3 | | | | | 41·6† | | Scarborough. |
| *p* York .. .. | 56 | 45 | 15th | 32 | 11-13 | 39·4 | 33·6 | 36·6 | - 1·4 | 0 | 38 | 6 | 0·17 | - 0·20 | 0·3 | - 0·6 | 4 | | | 39·1 | +0·6 | 42·9 | +0·9 | York. |
| — | | | | | | | | | | | | — | — | — | *0·2* | — | *3* | 2 | 26 | 37·0 | -0·3 | 43·3 | +0·2 | *Hull.* |
| *b*, South .. *a* Spurn Head .. | 26 | 43 | 15th | 30 | 11th | 40·0 | 33·3 | 36·8 | - 1·9 | 0 | 36 | 6 | 0·30 | - 0·01 | *0·4* | — | *5* | | | | | | | *Spurn Head.* |
| *a* Lincoln .. | 58 | 41 | 15, 16 | 30 | 15th | 38·1 | 32·7 | 35·5 | - 1·6 | 0 | 46 | 6 | 0·13 | - 0·26 | | | | | | 36·4 | -0·3 | 42·1 | +0·1 | Lincoln. |
| *a* Fulbeck .. .. | 180 | 41 | 15th | 27 | 15th | 37·0 | 31·0 | 34·1 | - 3·1 | 0 | 55 | 5 | 0·17 | - 0·22 | 0·3 | — | 4 | 5 | 23 | 38·3 | -0·6 | 43·7 | +2·8 | Rauceby. |
| — | | | | | | | | | | | | — | — | — | 0·8 | — | 11 | | | | | | | Skegness. |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | *1·0* | — | *13* | 3 | 28 | 37·4 | -0·4 | 42·5 | +0·1 | *Lowestoft.* |
| *p* Cromer .. .. | 196 | 41 | 15th | 28 | 11th | 37·6 | 32·7 | 35·3 | - 1·8 | 0 | 47 | 6 | 0·20 | — | 0·2 | — | 3 | | | | | | | Cromer. |
| *p* Little Massingham .. | 280 | 41 | 15th | 29 | 11, 12 | 37·4 | 31·1 | 34·4 | - 2·7 | 0 | 53 | 5 | 0·13 | - 0·34 | 0·8 | - 0·7 | 10 | 6 | 22 | | | | | Lit. Massingham. |
| *a*, North .. *a* Yarmouth .. | 17 | 41 | 16th | 30 | 12th | 38·3 | 32·6 | 35·6 | - 2·2 | 0 | 45 | 3 | 0·09 | - 0·31 | 1·1 | — | 14 | | | 37·3 | -0·9 | 43·3 | +0·2 | Yarmouth. |
| *a* Norwich .. .. | 93 | 41 | 15th | 29 | 11th | 37·3 | 31·9 | 34·7 | - 2·8 | 0 | 51 | 5 | 0·23 | — | *0·7* | | *9* | 5 | 26 | 36·7 | | | | *Norwich.* |
| *p* Geldeston .. .. | 37 | 41 | 17th | 30 | 12, 13 | 38·1 | 32·3 | 35·3 | - 2·9 | 0 | 47 | 5 | 0·11 | - 0·26 | 0·9 | - 0·8 | 12 | | | | | | | Geldeston. |
| *p* Cambridge .. .. | 41 | 41 | 15, 16 | 30 | 12, 15 | 38·1 | 32·4 | 35·4 | - 2·3 | 0 | 46 | 3 | 0·08 | - 0·23 | 1·0 | - 0·5 | 13 | 4 | 26 | 38·6 | +0·4 | 43·2 | +0·3 | Cambridge. |
| *a Felixstowe* .. | *10* | *41* | *16, 17* | *30* | *13th* | *38·0* | *32·6* | *35·4* | *- 3·1* | *0* | *46* | *2* | *0·04* | — | *1·5* | — | *20* | | | | | | | *Felixstowe.* |
| *b*, South .. *a* Clacton-on-Sea .. | 54 | 42 | 17th | 30 | 13th | 37·7 | 32·7 | 35·3 | - 3·0 | 0 | 47 | 1 | 0·01 | — | 1·6 | — | 20 | 3 | 26 | 38·6 | -1·4 | 44·4 | -0·5 | Clacton. |
| *a* Rothamsted .. | 424 | 39 | 16-17 | 27 | 13th | 36·0 | 30·7 | 33·5 | - 3·9 | 0 | 60 | 3 | 0·08 | - 0·39 | 1·5 | 0·0 | 19 | | | | | | | Rothamsted. |
| *a Shoeburyness* .. | *13* | *42* | *17th* | *27* | *15th* | *37·1* | *31·3* | *34·3* | *- 4·4* | *0* | *54* | *2* | *0·05* | *- 0·23* | 1·4 | — | *18* | 5 | 23 | 38·3 | -0·8 | | | *Southend.* |
| *p* Tottenham .. | 51 | 52 | 11th | 30 | 12th | 41·9 | 32·9 | 37·6 | - 1·2 | 0 | 31 | 2 | 0·08 | — | 0·4 | — | 5 | 3 | 27 | | | 45·4 | +0·2 | Tottenham. |
| — | | | | | | | | | | | | — | — | — | *0·1* | — | *1* | 3 | 29 | 37·9 | -0·7 | 42·7 | +0·7 | *Huddersfield.* |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate .. .. | 476 | 39 | 17th | 30 | 12, 13 | 36·1 | 31·7 | 34·0 | - 3·1 | 0 | 56 | 4 | 0·13 | - 0·39 | 0·0 | — | 0 | 6 | 27 | 38·4 | -0·3 | 41·3 | +0·7 | Harrogate. |
| *a* Bawtry .. .. | 65 | 41 | 15th | 28 | 15th | 36·7 | 31·6 | 34·3 | - 3·4 | 0 | 54 | 4 | 0·11 | - 0·26 | 0·2 | - 0·9 | 3 | 6 | 19 | 38·2 | | 42·0 | | Worksop. |
| *p Buxton* .. .. | *987* | *40* | *11th* | *27* | *12th* | *35·4* | *29·1* | *32·4* | *- 3·1* | *0* | *67* | *4* | *0·12* | *- 0·98* | *0·0* | — | *0* | 5 | 24 | 37·5 | -0·8 | 43·5 | +0·7 | *Buxton.* |
| *a*, East .. *a* Nottingham .. .. | 82 | 41 | 15th | 30 | 13, 15 | 37·6 | 32·7 | 35·3 | - 2·5 | 0 | 47 | 5 | 0·10 | - 0·32 | 0·3 | — | 4 | 4 | 27 | 36·4 | -0·5 | 40·9 | +0·4 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 39 | 11, 15, 16 | 28 | 15th | 36·6 | 31·0 | 33·9 | - 3·9 | 0 | 57 | 1 | 0·03 | - 0·43 | 0·2 | — | 3 | 5 | 21 | 39·3 | -0·5 | 45·4 | +0·8 | Birmingham. |
| *a* Raunds .. .. | 204 | 41 | 15th | 27 | 15th | 37·1 | 30·4 | 33·9 | - 3·3 | 0 | 57 | 2 | 0·04 | — | *1·3* | — | *17* | 4 | 23 | 39·9 | | 45·6 | | *Raunds.* |
| *p* Oxford .. .. | 208 | 51 | 11th | 28 | 12, 13, 15 | 39·7 | 30·9 | 35·5 | - 3·3 | 0 | 46 | 1 | 0·04 | - 0·36 | 1·5 | 0·0 | 19 | 5 | 24 | | | | | Oxford. |
| — | | | | | | | | | | | | — | — | — | 0·0 | — | 0 | 4 | 26 | 38·4 | +0·5 | 43·2 | +1·1 | Sheffield. |
| *a* Cheadle .. .. | 646 | 39 | 15th | 27 | 15th | 36·3 | 29·7 | 33·1 | - 3·6 | 0 | 62 | 2 | 0·04 | - 0·53 | | | | 6 | 23 | | | | | Cheadle. |
| *b*, West .. *p* Shrewsbury .. | 191 | 40 | 11, 16, 17 | 25 | 14th | 37·3 | 31·3 | 34·4 | - 4·2 | 0 | 53 | 0 | 0·00 | — | | | | 5 | 22 | | | | | Shrewsbury. |
| *a* Herefords .. | 291 | 39 | 15, 16 | 29 | 12, 13, 15 | 37·0 | 31·9 | 34·6 | - 3·6 | 0 | 52 | 3 | 0·03 | - 0·47 | *1·2* | — | *16* | 4 | 23 | 37·2 | | 42·7 | | *Malvern.*§ |
| *a* Cirencester .. | 446 | 44 | 11th | 29 | 13, 15 | 39·5 | 31·9 | 35·9 | - 1·6 | 0 | 43 | 1 | 0·04 | - 0·49 | 1·4 | - 0·1 | 18 | ?4 | 26 | 39·5 | | 43·9 | | Cirencester. |
| *a* Bath .. .. | 66 | 42 | 15th | 28 | 13th | 38·9 | 32·0 | 35·6 | - 4·0 | 0 | 45 | 0 | 0·00 | - 0·55 | 1·2 | — | 15 | | | 39·6 | -0·9 | 44·0 | -1·3 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Kew .. .. | 18 | 51 | 11th | 30 | 12th | 39·4 | 33·3 | 36·5 | - 2·4 | 0 | 39 | 1 | 0·05 | - 0·33 | 0·4 | - 0·7 | 5 | 6 | 22 | 39·2 | -0·6 | 46·2 | +1·8 | Canterbury. |
| *a* Marlborough .. | 424 | 38 | 15-17 | 26 | 13th | 36·0 | 31·0 | 33·6 | - 4·0 | 0 | 59 | 2 | 0·04 | - 0·53 | 1·0 | - 0·3 | 13 | 3 | 26 | 39·0 | +0·1 | 44·0 | -0·1 | Kew. |
| *a* Margate .. .. | 35 | 42 | 17th | 30 | 12, 13 | 38·4 | 32·4 | 35·5 | - 3·9 | 0 | 46 | 3 | 0·10 | - 0·28 | 1·7 | + 0·2 | 22 | 4 | 21 | | | 45·1 | | Marlborough. |
| *a* Wisley, Surrey .. | 150 | 40 | 17th | 29 | 12, 15 | 36·4 | 31·6 | 34·1 | - 5·2 | 0 | 55 | 2 | 0·03 | — | 0·8 | — | 10 | 5 | 25 | 38·5 | +2·2 | 46·6 | +3·7 | Margate. |
| — | | | | | | | | | | | | — | — | — | 2·6 | — | 33 | 5 | 17 | 38·5 | -0·9 | 43·2 | 0·0 | Wisley. |
| *p* Salisbury (Wilton) .. | 180 | 40 | 17th | 26 | 12th | 38·9 | 30·9 | 35·1 | - 2·7 | 0 | 48 | 2 | 0·03 | -0·61 | | | | 5 | 25 | 37·9 | - 1·4 | 44·8 | +0·8 | Worthing. |
| *a* Tunbridge Wells .. | 418 | | | | | | | | | | | | | | | | | 3 | 20 | 39·3 | | | | Salisbury. |
| *a* Dungeness .. .. | 21 | 40 | 17th | 31 | 12-14 | 37·6 | 32·3 | 35·1 | - 4·5 | 0 | 48 | 3 | 0·12 | - 0·30 | 1·3 | — | 16 | | | | | | | Tunbridge Wells. |
| *p* Hastings.. .. | 178 | 49 | 11th | 28 | 12th | 38·1 | 30·6 | 34·5 | - 5·1 | 0 | 53 | 1 | 0·06 | - 0·48 | *1·7* | *- 0·2* | *21* | 7 | 24 | 38·3 | | 44·2 | | *Hastings.* |
| *p* Southampton .. | 65 | 51 | 11th | 27 | 12th | 39·1 | 31·3 | 35·4 | - 4·5 | 0 | 46 | 0 | 0·00 | - 0·59 | 1·2 | - 0·4 | 15 | 3 | 25 | | | | | Southampton. |
| *a* Ventnor .. .. | 80 | 40 | 15, 17 | 29 | 13th | 37·7 | 33·0 | 35·4 | - 6·7 | 0 | 46 | 0 | 0·00 | - 0·57 | 1·9 | + 0·1 | 24 | | | | | | | Ventnor. |
| — | | | | | | | | | | | | — | — | — | *1·9* | — | *24* | 6 | 24 | 40·1 | -1·0 | 45·8 | +0·5 | *Portsmouth.* |
| — | | | | | | | | | | | | — | — | — | 2·0 | + 0·2 | 25 | | | 40·6 | | 45·8 | | Eastbourne. |
| — | | | | | | | | | | | | — | — | — | *1·8* | — | *23* | | | 38·8 | | 42·9 | | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a Westminster* .. | *27* | *41* | *16, 17* | *30* | *13th* | *38·3* | *34·3* | *36·4* | *- 2·6* | *0* | *39* | *2* | *0·03* | *- 0·3*[illegible] | *0·3* | *- 0·2* | *4* | 2 | 29 | | | | | *Brighton.* |
| *a Greenwich* .. | *155* | *42* | *17th* | *29* | *13th* | *37·3* | *33·4* | *35·0* | *- 4·2* | *0* | *49* | *3* | *0·03* | *- 0·34* | *0·8* | *- 0·4* | *10* | 4 | 24 | | | | | *Westminster.* |
| *a Hampstead* .. | *450* | *39* | *11th* | *27* | *13th* | *36·0* | *30·9* | *33·6* | — | *0* | *59* | *1* | *0·07* | — | *0·7* | | *9* | 7 | 20 | | | | | *Greenwich.* |
| *a Camden Square* .. | *110* | *41* | *16, 17* | *29* | *13th* | *37·3* | *32·4* | *35·0* | — | *0* | *49* | *2* | *0·06* | — | *0·8* | | *10* | 4 | 25 | | | | | *Hampstead.* |
| — | | | | | | | | | | | | — | — | — | *0·2* | — | *3* | 5 | 23 | 36·8 | -1·4 | 42·5 | +0·6 | *Camden Square.* |
| — | | | | | | | | | | | | — | — | — | 0·5 | — | 7 | | | | | | | *Burnley.* |
| **7.** *a* ENGLAND, N.W. | | | | | | | | | | | | | | | | | | | | | | | | Hoylake. |
| *p* Aspatria .. .. | 250 | 41 | 17th | 27 | 12th | 37·4 | 30·7 | 34·2 | - 3·9 | 0 | 55 | 1 | 0·04 | - 0·62 | 1·2 | — | 16 | 4 | 17 | 39·5 | | 44·0 | | Aspatria. |
| *p* Newton Rigg .. | 559 | 39 | 14, 15, 17 | 26 | 12th | 37·0 | 30·6 | 33·9 | - 3·0 | 0 | 57 | 2 | 0·03 | - 0·73 | 0·7 | - 0·5 | 10 | 7 | 19 | 38·1 | -0·3 | 41·8 | +0·8 | Newton Rigg. |
| *p* Stonyhurst .. .. | 375 | 44 | 11th | 30 | 11, 12 | 39·0 | 31·9 | 35·6 | - 2·6 | 0 | 45 | 2 | 0·04 | - 0·92 | 0·5 | - 0·5 | 7 | 7 | 19 | | | | | Stonyhurst. |
| *p* Blackpool .. .. | 66 | 41 | 14, 15, 17 | 25 | 12th | 39·1 | 31·7 | 35·6 | - 3·3 | 0 | 45 | 0 | 0·00 | - 0·62 | 0·7 | - 0·4 | 9 | 5 | 20 | 40·6 | | 45·7 | | Blackpool. |
| *p* Manchester (Whit. Pk.) | 125 | 42 | 11, 15, 16 | 30 | 12th | 39·3 | 34·1 | 36·8 | - 2·3 | 0 | 36 | 2 | 0·04 | - 0·51 | *0·5* | *0·0* | *7* | | | | | | | *Whit. Park.* |
| *a* Liverpool (Bidston) .. | 188 | 41 | 15th | 29 | 12th | 38·0 | 32·6 | 35·4 | - 4·6 | 0 | 46 | 0 | 0·00 | - 0·50 | *0·3* | — | *4* | | | | | | | *Liverpool.* |
| *a Hawarden Bridge* .. | *22* | *42* | *15th* | *29* | *15th* | *39·3* | *33·6* | *36·6* | *- 3·8* | *0* | *38* | *0* | *0·00* | *- 0·40* | *0·4* | — | *5* | 7 | 21 | 36·4 | -1·1 | 41·9 | +1·0 | *Southport.* |
| *b*, NORTH WALES. | | | | | | | | | | | | — | — | — | *0·3* | — | *4* | 4 | 26 | 37·3 | -0·8 | 43·8 | +0·7 | *Manchester (City).* |
| *p* Llandudno .. .. | 71 | 42 | 15th | 30 | 12th | 39·1 | 33·7 | 36·5 | - 5·0 | 0 | 39 | 1 | 0·06 | - 0·52 | 0·5 | - 0·9 | 7 | | | | | | | Llandudno. |
| *a* Holyhead .. .. | 57 | 44 | 15th | 29 | 13th | 40·6 | 33·7 | 37·3 | - 4·8 | 0 | 33 | 1 | 0·05 | - 0·65 | *1·0* | — | *13* | | | | | | | *Holyhead.* |
| *p* Bettws-y-Coed .. | 101 | | | | | | | | | | | — | — | — | | | | | | | | | | Bettws-y-Coed. |
| — | | | | | | | | | | | | — | — | — | 2·1 | — | 28 | | | | | | | Aberdovey. |

* For notes see also opposite page.

† At 3 feet.

§ The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average. | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | • | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES. | | | | | | | | | | | | | | | 1·9 | — | 25 | | | | | | | |
| *a* Llangammarch Wells | 550 | 38 | 15-17 | 28 | 12, 13 | 36·1 | 31·0 | 33·7 | − 3·6 | 0 | 58 | 1 | 0·03 | — | 1·0 | — | 13 | ?6 | 23 | 39·0 | −1·0 | 45·1 | +0·3 | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 44 | 11th | 28 | 15th | 38·3 | 32·7 | 35·6 | − 7·2 | 0 | 45 | 0 | 0·00 | − 0·79 | 1·3 | − 0·3 | 17 | • | • | • | • | • | • | Llangammarch Wells. |
| *p* Cardiff .. .. .. | 203 | 50 | 11th | 28 | 11-13 | 39·3 | 30·6 | 35·1 | − 4·5 | 0 | 48 | 0 | 0·00 | − 0·86 | *1·1* | — | *14* | 5 | 25 | 38·9 | −0·2 | 44·4 | +0·5 | Pembroke. Cardiff. |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 40 | 15, 16 | 28 | 13th | 37·9 | 32·0 | 35·1 | − 4·9 | 0 | 48 | 1 | 0·01 | − 0·65 | *1·0* | — | *13* | 5 | 26 | • | • | • | • | |
| *a* Shaftesbury .. .. | 722 | 36 | 15, 17 | 24 | 12th | 34·4 | 28·9 | 31·8 | − 6·0 | 0 | 71 | 1 | 0·01 | − 0·57 | • | • | • | • | • | 37·4 | • | 43·4 | • | *Clifton.* |
| *a* Arlington .. .. | 613 | 38 | 15th | 26 | 12, 13 | 36·1 | 30·6 | 33·5 | − 6·0 | 0 | 60 | 0 | 0·00 | − 1·10 | • | • | • | • | • | • | • | • | • | Shaftesbury. |
| *a Newquay* .. .. | *190* | *48* | *17th* | *28* | *13th* | *39·7* | *32·9* | *36·4* | *− 7·5* | *0* | *39* | *0* | *0·00* | *− 0·71* | 1·7 | + 0·1 | 21 | 4 | 20 | 42·5 | • | • | • | Arlington. |
| *a* Cullompton .. .. | 202 | 40 | 15th | 27 | 12th | 37·4 | 31·7 | 34·7 | − 5·1 | 0 | 51 | 1 | 0·01 | − 0·73 | 1·1 | − 0·3 | 14 | 6 | 19 | 41·3 | • | • | • | Newquay. |
| *a* Portland .. .. | 19 | 47 | 11th | 32 | 12, 13, 15 | 39·7 | 34·7 | 37·3 | − 4·8 | 0 | 33 | 0 | 0·00 | — | *1·8* | — | 22 | • | • | • | • | • | • | Cullompton. |
| *p* Plymouth .. .. | 116 | 51 | 11th | 30 | 13th | 40·7 | 33·0 | 37·0 | − 5·3 | 0 | 35 | 0 | 0·00 | − 0·80 | 1·1 | − 0·5 | 14 | 5 | 26 | 40·5 | −1·5 | • | • | *Weymouth.* |
| *a* Falmouth .. .. | 167 | 50 | 11th | 27 | 15th | 40·6 | 33·6 | 37·2 | − 6·5 | 0 | 34 | 1 | 0·01 | − 1·03 | 0·8 | − 1·0 | 10 | 3 | 21 | 43·2 | • | 47·2 | • | Plymouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | Falmouth. |
| *a* Malin Head .. .. | 208 | 45 | 11th | 31 | 13, 14, 17 | 40·3 | 33·9 | 37·2 | − 4·1 | 0 | 34 | 0 | 0·00 | − 0·63 | • | • | • | • | • | • | • | • | • | |
| *a*, West .. *a* Blacksod Point .. | 37 | 47 | 11th | 32 | 13, 14 | 40·9 | 35·6 | 38·4 | − 4·4 | 0 | 25 | 0 | 0·00 | − 1·15 | • | • | • | • | • | • | • | • | • | |
| *p* Markree Castle .. | 122 | 45 | 11th | 25 | 15th | 41·0 | 31·6 | 36·5 | − 3·1 | 0 | 39 | 0 | 0·00 | − 0·88 | 1·1 | − 0·1 | 15 | 4 | 19 | 40·9 | • | 45·1 | • | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 46 | 11th | 25 | 15, 16 | 39·4 | 31·0 | 35·4 | − 4·3 | 0 | 46 | 1 | 0·02 | − 0·64 | *2·0* | + *0·4* | *26* | • | • | • | • | • | • | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 46 | 11th | 29 | 12th | 39·9 | 32·6 | 36·4 | − 3·2 | 0 | 39 | 0 | 0·00 | − 0·58 | 0·5 | − 0·9 | 7 | 3 | 23 | 40·0 | −0·3 | 44·0 | +0·1 | |
| *a* Donaghadee .. .. | 40 | 43 | 11, 15, 17 | 33 | 12th | 41·3 | 37·1 | 39·3 | − 1·3 | 0 | 19 | 0 | 0·00 | − 0·60 | • | • | • | • | • | • | • | • | • | Armagh. |
| **10.** IRELAND, S. | | | | | | | | | | | | — | — | — | • | • | • | • | • | • | • | • | • | |
| *p* Dublin, City .. .. | 47 | 49 | 11th | 35 | 12th | 43·1 | 37·6 | 40·5 | − 1·1 | 3 | 17 | 1 | 0·20 | − 0·29 | 0·0 | − 1·8 | 0 | 2 | 26 | 42·2 | +1·4 | 44·9 | +0·6 | Trinity Coll. |
| *a*, East .. *a* Kilkenny .. .. | 195 | 46 | 11th | 28 | 15th | 40·1 | 33·1 | 36·7 | − 3·6 | 0 | 37 | 0 | 0·00 | − 0·77 | • | • | • | 4 | 28 | • | • | • | • | Phœnix Park. |
| *a* Waterford .. .. | 100 | 44 | 11th | 28 | 15th | 40·7 | 34·7 | 37·8 | − 3·6 | 0 | 29 | 2 | 0·08 | − 0·82 | • | • | • | 0 | 33 | • | • | • | • | Dublin City. |
| *a Carrick-on-Suir* .. | *541* | *46* | *11th* | *29* | *15th* | *39·0* | *33·0* | *36·1* | — | *0* | *41* | *1* | *0·03* | — | *0·9* | — | *12* | 6 | 19 | • | • | • | • | |
| *a* Birr Castle .. .. | 175 | 46 | 11th | 25 | 15, 16 | 39·4 | 31·0 | 35·4 | − 4·3 | 0 | 46 | 1 | 0·02 | − 0·64 | 2·0 | + 0·4 | 26 | • | • | • | • | • | • | *Carrick-on-Suir.* |
| *a* Foynes† .. .. | ? | 46 | 11th | 27 | 15th | 39·3 | 31·7 | 35·7 | − 6·5 | 0 | 44 | 0 | 0·00 | − 0·86 | • | • | • | • | • | • | • | • | • | Birr Castle. |
| *b*, West .. *a* Cahir .. .. | 199 | 47 | 11th | 26 | 15th | 39·9 | 33·4 | 36·8 | − 4·6 | 0 | 36 | 2 | 0·04 | — | • | • | • | • | • | • | • | • | • | |
| *a* Killarney .. .. | 174 | 51 | 11th | 30 | 15th | 41·6 | 35·5 | 38·7 | − 3·8 | 0 | 23 | 0 | 0·00 | − 1·45 | • | • | • | • | • | • | • | • | • | |
| *a* Valencia .. .. | 30 | 51 | 11th | 33 | 14, 16 | 43·4 | 36·9 | 40·3 | − 4·5 | 4 | 20 | 0 | 0·00 | − 1·30 | 3·1 | + 1·6 | 40 | • | • | • | • | • | • | Valencia. |
| *a* Roche's Point .. | 32 | 49 | 11th | 33 | 16th | 42·4 | 38·7 | 40·6 | − 3·0 | 1 | 12 | 0 | 0·00 | − 1·07 | 0·6 | — | 8 | • | • | • | • | • | • | Ballinacurra |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 50 | 11th | 33 | 13-15 | 42·7 | 36·7 | 39·8 | − 6·3 | 2 | 20 | 2 | 0·11 | − 0·63 | 1·4 | − 0·4 | 17 | • | • | • | • | • | • | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 47 | 11th | 31 | 17th | 40·9 | 35·0 | 38·1 | − 4·7 | 0 | 27 | 1 | 0·05 | − 0·68 | 3·9 | + 1·8 | 47 | • | • | • | • | • | • | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 44 | 11th | 32 | 12, 13 | 41·4 | 35·7 | 38·7 | − 5·0 | 0 | 23 | 3 | 0·07 | − 0·73 | 1·0 | − 0·6 | 12 | 1 | 30 | 42·3 | −0·9 | 47·3 | +0·2 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 2·4 hrs. 30 %; Ramsgate, 1·9 hrs. 24 %; Rhyl, 0·3 hrs. 4 %; Salcombe, 0·7 hrs. 9 %; Tenby, 1·3 hrs. (−0·6) 15 %; Torquay, 0·5 hrs. (−1·3) 6 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

† Instruments moved to new site.

## III.—TEMPERATURE of the SEA.

Week ending on morning of Saturday, Jan. 17th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 44 | 44 | 44·0 | +0·6 |
| Kirkwall .. .. | 43 | 42 | 42·9 | +2·1 |
| Wick .. .. .. | 44 | 43 | 43·5 | −1·2 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 43 | 32 | 38·5 | −1·6 |
| Pennan Bay .. .. | 43 | 41 | 42·0 | +1·7 |
| Aberdeen, Cove Bay | 42 | 41 | 41·5 | +1·7 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 45 | 42 | 43·3 | −2·3 |
| Ballantrae .. .. | 45 | 43 | 43·5 | +1·0 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 43 | 41 | 41·4 | +0·5 |
| Scarborough .. .. | 41 | 38 | 39·7 | −2·1 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 43 | 40 | 42·0 | +1·2 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 44 | 37 | 38·9 | −3·3 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 48 | 44 | 45·4 | −0·9 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 46 | 45 | 45·4 | −1·2 |
| Scilly .. .. .. | 48 | 48 | 48·0 | — |
| Plymouth‡ .. .. | 48 | 45 | 46·6 | −1·3 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 46 | 42 | 43·8 | −1·2 |
| Teelin .. .. .. | 47 | 41 | 43·5 | −1·3 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 47 | 43 | 44·5 | +0·4 |
| Seafield .. .. | 54 | 34 | 39·5 | −6·5 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS.

Week ending at midnight (24h.) on Saturday, Jan. 17th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales, force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Aberdeen .. .. | 105 | — | — | — | — | 55 | 113 | SSE. 7 | 11th 10h. | 12 11th 14. 5 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | — | — | 39 | 129 | NE. 8 | 17th 13h. | 12 17th 17. 40 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 11 | 157 | SSE. 6 | 11th 2h. | 11 11th 2. 30 |
| South Shields .. | 61 | — | — | — | — | — | — | — | — | — — |
| Spurn Head .. | 40 | — | — | 14 | 1 | 108 | 59 | E. 11 | 14th 11h. | 15 14th 10. 25 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 11-14 | 48 | 65 | 55 | — 12 | 14th 5h. | 16 14th 5. 20 |
| Shoeburyness .... | 90 | — | — | 11-14 | 55 | 51 | 62 | — 15 | 14th 14h. | 20 14th 14. 10 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | — | — | — | — | — | 168 | — 5 | 14th 18h. | 11 14th 18. 10 |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 11-15 | 79 | 55 | 31 | — 17 | 14th 13, 14h. | 22 14th 13. 50 |
| Warlingham .. | 33 | — | — | — | — | 57 | 111 | — 14 | 14th 15h. | 18 14th 15. 0 |
| Brighton .. .. | 53 | — | — | — | — | 90 | 78 | — 11 | 14th 14h. | 18 13th 16. 55 |
| Kew .. .. | 40 | — | — | — | — | 74 | 94 | — 8 | 11th 21h. | 16 11th 22. 19 |
| South Kensington | 92 | — | — | — | — | — | 168 | ENE. 5 | 11th 21h. | 10 12th 9. 5 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Southport .. | 50 | — | — | — | — | 64 | 104 | ESE. 9 | 11th 3h. | 14 11th 2. 35 |
| Holyhead .. .. | 40 | — | — | 11, 14 | 10 | 70 | 88 | ENE. 12 | 11th 4, 8h. | 17 11th 8. 5 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle | 65 | 12th | 4§ | 11, 12, 14, 16, 17 | 40§ | 108§ | 1§ | ENE. 19 | 12th 9h. | 23 12th 9. 25 |
| Plymouth .. | 86 | — | — | — | — | 32 | 136 | — 7 | 13th 7h. 14th 6, 12h | 15 14th 11. 20 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 12 | 6§ | 44§ | 88§ | — 12 | 12th 9h. | 18 12th 9. 5 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — — | — — — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly .. .. | 19 | — | — | 12 | 6 | 131 | 31 | E. 11 | 12th 18h. | 18 12th 13. 15 |

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**SECOND WEEK**—January 11th to January 17th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest. | Lowest. | Means of | | | | Accumulated Number of Day-Degrees. | | | | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | | | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | | | | | | | | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| **0.** SCOTLAND, NORTH ... | 47 | 17 | 38·3 | 30·4 | 34·5 | − 3·5 | 0 | − 6 | 53 | +17 | 1 | − 4 | 0·05 | −1·09 | 1·3 | +0·6 | 20 | 1030 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 45 | 17 | 37·0 | 30·3 | 33·8 | − 3·0 | 0 | − 5 | 57 | +14 | 2 | − 1 | 0·10 | −0·44 | 0·8 | −0·3 | 12 | 1031 |
| **2.** ENGLAND, N.E. ... ... | 45 | 27 | 39·1 | 33·5 | 36·4 | − 1·7 | 0 | − 7 | 39 | + 4 | 6 | + 2 | 0·30 | −0·16 | 0·3 | −0·8 | 5 | 1028 |
| **3.** ENGLAND, EAST ... | 52 | 27 | 38·0 | 32·1 | 35·2 | − 2·1 | 0 | − 7 | 33 | − 8 | 4 | 0 | 0·11 | −0·28 | 0·9 | −0·5 | 12 | 1025 |
| **4.** MIDLAND COUNTIES ... | 51 | 25 | 37·4 | 31·4 | 34·6 | − 2·8 | 0 | − 9 | 52 | +11 | 2 | − 2 | 0·05 | −0·41 | 0·6 | −0·7 | 8 | 1026 |
| **5.** ENGLAND, S.E. ... ... | 51 | 26 | 38·0 | 31·8 | 35·0 | − 4·1 | 0 | − 11 | 49 | +17 | 2 | − 1 | 0·05 | −0·45 | 1·4 | 0·0 | 18 | 1023 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 45 | 18 | 38·2 | 30·3 | 34·4 | − 4·8 | 0 | − 8 | 53 | +24 | 1 | − 3 | 0·01 | −0·97 | 0·9 | −0·2 | 12 | 1031 |
| **7.** ENGLAND, N.W. ... ... | 44 | 25 | 38·7 | 32·4 | 35·7 | − 3·6 | 0 | − 9 | 44 | +15 | 1 | − 3 | 0·03 | −0·59 | 0·9 | −0·2 | 12 | 1028 |
| **8.** ENGLAND, S.W. ... ... | 51 | 24 | 38·1 | 31·9 | 35·1 | − 5·9 | 0 | − 16 | 48 | +25 | 1 | − 2 | 0·01 | −0·77 | 1·3 | −0·3 | 16 | 1024 |
| **9.** IRELAND, NORTH ... | 47 | 25 | 40·5 | 33·6 | 37·2 | − 3·2 | 0 | − 12 | 34 | + 9 | 0 | − 4 | 0·00 | −0·74 | 0·8 | −0·5 | 11 | 1028 |
| **10.** IRELAND, SOUTH ... | 51 | 25 | 41·1 | 34·7 | 38·1 | − 4·0 | 0 | − 19 | 27 | + 8 | 1 | − 3 | 0·04 | −0·87 | 1·4 | −0·1 | 19 | 1025 |
| **11.** ENGLISH CHANNEL ... | 50 | 31 | 41·7 | 35·8 | 38·9 | − 5·3 | 0 | − 24 | 22 | +13 | 2 | − 2 | 0·08 | −0·61 | 2·1 | +0·1 | 25 | 1022 |

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 7 Weeks, November 30th, 1913, to January 17th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 57 | 14 | * | * | * | * | 57 | + 5 | 184 | −48 | 35 | − 1 | 9·59 | +0·97 | 0·6 | −0·1 | 8 | |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 59 | 5 | * | * | * | * | 47 | + 2 | 239 | −48 | 25 | − 3 | 3·97 | −0·41 | 1·1 | 0·0 | 16 | |
| **2.** ENGLAND, N.E. ... ... | 56 | 9 | * | * | * | * | 71 | + 17 | 186 | −48 | 22 | − 4 | 2·46 | −0·86 | 1·2 | 0·0 | 16 | |
| **3.** ENGLAND, EAST ... | 57 | 21 | * | * | * | * | 87 | + 25 | 170 | −98 | 23 | − 5 | 2·14 | −0·89 | 1·4 | 0·0 | 19 | |
| **4.** MIDLAND COUNTIES ... | 58 | 16 | * | * | * | * | 90 | + 21 | 199 | −73 | 21 | − 6 | 2·03 | −1·65 | 1·1 | −0·1 | 14 | |
| **5.** ENGLAND, S.E. ... ... | 58 | 17 | * | * | * | * | 118 | + 20 | 155 | −42 | 20 | − 7 | 2·26 | −1·63 | 1·5 | 0·0 | 19 | |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 57 | 18 | * | * | * | * | 68 | − 4 | 169 | −18 | 30 | − 3 | 6·40 | −1·60 | 1·0 | 0·0 | 14 | |
| **7.** ENGLAND, N.W. ... ... | 57 | 16 | * | * | * | * | 96 | + 18 | 118 | −70 | 24 | − 5 | 4·33 | −0·66 | 0·9 | −0·1 | 12 | |
| **8.** ENGLAND, S.W. ... ... | 56 | 11 | * | * | * | * | 131 | + 3 | 128 | −11 | 26 | − 5 | 4·29 | −2·38 | 1·3 | −0·2 | 17 | |
| **9.** IRELAND, NORTH ... | 57 | 17 | * | * | * | * | 110 | + 19 | 112 | −50 | 28 | − 6 | 4·76 | −1·03 | 0·9 | −0·3 | 12 | |
| **10.** IRELAND, SOUTH ... | 57 | 17 | * | * | * | * | 128 | − 22 | 106 | −17 | 27 | − 6 | 3·56 | −3·57 | 1·2 | −0·3 | 16 | |
| **11.** ENGLISH CHANNEL ... | 56 | 30 | | * | * | * | 191 | − 14 | 68 | +22 | 28 | − 6 | 4·69 | −1·10 | 1·5 | −0·4 | 19 | |

THE YEAR.—Aggregates, &c., for the Period of 2 Weeks, January 4th, 1914, to January 17th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 51 | 17 | * | * | * | * | 5 | − 7 | 76 | + 3 | 8 | − 2 | 2·00 | −0·23 | 0·8 | +0·1 | 13 | 1017 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 50 | 17 | * | * | * | * | 2 | − 8 | 84 | − 3 | 8 | + 1 | 1·38 | +0·24 | 0·7 | −0·3 | 11 | 1019 |
| **2.** ENGLAND, N.E. ... ... | 54 | 25 | * | * | * | * | 8 | − 5 | 68 | − 4 | 11 | + 3 | 1·32 | +0·44 | 0·8 | −0·3 | 11 | 1020 |
| **3.** ENGLAND, EAST ... | 55 | 27 | * | * | * | * | 12 | − 3 | 58 | − 25 | 9 | + 1 | 1·36 | +0·52 | 1·2 | −0·2 | 15 | 1020 |
| **4.** MIDLAND COUNTIES ... | 56 | 25 | * | * | * | * | 15 | − 3 | 78 | − 5 | 7 | − 1 | 0·71 | −0·30 | 0·9 | −0·3 | 12 | 1021 |
| **5.** ENGLAND, S.E. ... ... | 55 | 22 | * | * | * | * | 25 | + 2 | 61 | − 3 | 7 | 0 | 0·56 | −0·48 | 1·5 | +0·1 | 19 | 1020 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 54 | 18 | * | * | * | * | 11 | − 5 | 75 | + 15 | 7 | − 2 | 1·81 | −0·26 | 0·9 | −0·1 | 13 | 1021 |
| **7.** ENGLAND, N.W. ... ... | 53 | 22 | * | * | * | * | 20 | + 1 | 55 | − 4 | 7 | − 1 | 1·47 | +0·17 | 0·9 | −0·1 | 12 | 1021 |
| **8.** ENGLAND, S.W. ... ... | 55 | 24 | * | * | * | * | 25 | − 7 | 55 | + 9 | 7 | − 1 | 1·00 | −0·69 | 1·2 | −0·3 | 16 | 1021 |
| **9.** IRELAND, NORTH ... | 55 | 25 | * | * | * | * | 24 | 0 | 44 | − 6 | 6 | − 3 | 0·82 | −0·73 | 0·8 | −0·4 | 11 | 1019 |
| **10.** IRELAND, SOUTH ... | 56 | 24 | * | * | * | * | 30 | − 9 | 35 | − 3 | 7 | − 2 | 0·82 | −1·14 | 1·4 | −0·1 | 18 | 1021 |
| **11.** ENGLISH CHANNEL ... | 53 | 31 | * | * | * | * | 36 | − 14 | 22 | + 4 | 8 | − 1 | 1·05 | −0·44 | 1·9 | 0·0 | 23 | 1021 |

M.O., January 20, 1914.

## NOTES ON TABLE V.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb. = 29·531 mercury-inches.)

Library

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 3. THIRD WEEK, SUNDAY, JANUARY 18TH, TO SATURDAY, JANUARY 24TH, 1914.

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## I.—Remarks on Wind and Weather.

**Barometer, Wind and Weather.** A large anticyclone maintained its position over or in the immediate neighbourhood of the United Kingdom with little modification in intensity until late in the week, and the Southerly wind current on the Atlantic affected the extreme western seaboard of the Kingdom only. Over the country generally the wind blew from some Easterly point, and at several places in the north and east it was accompanied by slight falls of snow or sleet. By Friday the central part of the high pressure system was transferred to Germany, and the Southerly current encroached gradually on the west of these Islands, raising the temperature several degrees in Ireland and the most western parts of Great Britain. By Saturday, when the anticyclone had retreated still further to the south-eastward, a decided gradient for South-Westerly winds embraced all our western and northern districts, while at the end of the period the change to milder weather extended to the south-eastern corner of England also. Rain now fell generally, (the amount at Fort William being as large as 1·2 in.), gales occurred at a few places in the north and north-east of Great Britain, and lightning was observed at Lerwick.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Deficient | Deficient | Deficient | Deficient | Deficient | Very deficient | Deficient | Deficient | Very deficient | Moderate | Deficient | Very deficient |
| | Rainfall ... | Light | Light | Light | Light | Very light | Nought | Moderate | Light | Very light | Light | Light | Very light |
| | Sunshine ... | Abundant | Scanty | Scanty | Scanty | Scanty | Moderate | Nought | Moderate | Moderate | Scanty | Scanty | Moderate |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 8 weeks from Nov. 30th, 1913. | Warmth ... | 2*3 | 3*2 | 2*2 | 4*3 | 4*4 | 3*4 | 1*2 | 3*3 | 3*4 | 3*2 | 3*4 | 3*4 |
| | Rainfall ... | 2*2 | 2*4 | 1*4 | 1*6 | 0*5 | 1*5 | 3*4 | 3*5 | 1*5 | 2*5 | 1*6 | 3*5 |
| | Sunshine ... | 3*0 | 2*1 | 1*2 | 1*2 | 1*4 | 2*2 | 2*2 | 1*0 | 2*3 | 1*5 | 1*5 | 0*2 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 1912-13. Dec. 1st-March 1st. 13 weeks. | Warmth ... | 5*3 | 5*3 | 6*2 | 5*1 | 6*2 | 7*1 | 8*3 | 6*1 | 6*2 | 9*1 | 8*3 | 8*1 |
| | Rainfall ... | 6*5 | 5*3 | 4*3 | 5*2 | 5*3 | 5*3 | 5*3 | 5*3 | 7*3 | 6*2 | 6*2 | 5*4 |
| | Sunshine ... | 1*6 | 0*7 | 1*8 | 2*7 | 2*9 | 3*6 | 0*9 | 2*4 | 1*8 | 0*8 | 0*8 | 1*9 |
| SPRING, 1913. Mar. 2nd-May 31st. 13 weeks. | Warmth ... | 2*5 | 2*5 | 5*2 | 5*2 | 4*2 | 4*2 | 2*4 | 4*3 | 3*2 | 1*3 | 1*3 | 3*4 |
| | Rainfall ... | 6*2 | 5*3 | 5*4 | 5*2 | 7*3 | 6*1 | 8*2 | 7*3 | 6*1 | 7*2 | 6*1 | 7*3 |
| | Sunshine ... | 3*3 | 2*3 | 1*4 | 2*6 | 2*5 | 2*4 | 1*8 | 1*4 | 0*6 | 2*5 | 1*6 | 0*10 |
| SUMMER, 1913. June 1st-Aug. 30th. 13 weeks. | Warmth ... | 4*3 | 2*4 | 3*5 | 3*5 | 3*5 | 2*6 | 3*4 | 3*5 | 5*5 | 3*5 | 4*4 | 1*6 |
| | Rainfall ... | 2*8 | 1*9 | 0*10 | 1*5 | 0*9 | 1*9 | 2*7 | 3*8 | 1*11 | 1*8 | 2*9 | 1*5 |
| | Sunshine ... | 4*5 | 4*4 | 4*7 | 2*7 | 2*8 | 1*7 | 5*5 | 6*5 | 3*4 | 6*6 | 5*4 | 3*9 |
| AUTUMN, 1913. Aug. 31st-Nov. 29th. 13 weeks. | Warmth ... | 6*0 | 8*0 | 8*0 | 10*0 | 11*0 | 11*0 | 6*0 | 9*0 | 9*0 | 8*0 | 9*2 | 11*0 |
| | Rainfall ... | 4*4 | 2*4 | 4*6 | 5*6 | 5*4 | 5*5 | 2*4 | 4*6 | 3*5 | 3*2 | 7*1 | 4*3 |
| | Sunshine ... | 5*4 | 5*6 | 6*3 | 4*1 | 4*3 | 5*2 | 1*4 | 6*3 | 4*6 | 2*5 | 2*6 | 2*4 |

### EXPLANATION OF NOMENCLATURE USED ABOVE.

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—The charts for the current week will be issued with the Statistical Tables for next week.**

(196—19.) Wt. 196—786. 450. 1/14. D & S. G. 17/36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | **Temperature of the Air.** In Degrees Fahrenheit. | | | | | | | | | **Rainfall.** | | | **Bright Sunshine.** Hours per Day. | | | **Ground Temperature.** | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, Islands .. *p Baltasound* .. .. | *31* | *49* | *24th* | *32* | *21st* | *42·7* | *35·7* | *39·3* | — | *2°* | *23* | *5* | *0·23* | — | *0·1* | * | *2* | * | * | * | * | * | * | *Baltasound.* |
| *a* Lerwick .. .. .. | 54 | 49 | 24th | 32 | 21st | 43·1 | 37·1 | 40·2 | + 1·1 | 3 | 19 | 6 | 0·26 | — | 1·3 | + 0·4 | 19 | * | * | * | * | * | * | Deerness. |
| *a* Stornoway .. .. | 51 | 52 | 24th | 33 | 21st | 42·9 | 36·7 | 39·9 | + 0·8 | 3 | 20 | 2 | 0·42 | - 0·71 | 0·7 | - 0·2 | 10 | * | * | * | * | * | * | Stornoway. |
| *a Castlebay, Barra Isd.* .. | *37* | *52* | *24th* | *38* | *21st* | *44·1* | *40·3* | *42·3* | *+ 0·7* | *9* | *5* | *2* | *0·10* | — | *0·0* | — | *0* | * | * | * | * | * | * | *Castlebay.* |
| *b*, Mainland. *a* Wick .. .. .. | 81 | 50 | 24th | 24 | 22nd | 41·6 | 32·0 | 37·0 | - 1·2 | 0 | 35 | 0 | 0·00 | - 0·58 | * | * | * | * | * | * | * | * | * | |
| *p* Strathpeffer .. .. | 200 | 52 | 24th | 17 | 22nd | 39·9 | 26·1 | 33·3 | - 3·5 | 0 | 61 | 2 | 0·21 | - 0·50 | 1·9 | + 0·8 | 27 | * | * | * | * | * | * | Strathpeffer. |
| *p* Glencarron .. .. | 500 | 51 | 24th | 18 | 22nd | 38·0 | 25·4 | 32·0 | - 4·6 | 0 | 70 | 2 | 0·50 | - 1·79 | * | * | * | * | * | * | * | * | * | |
| *p* Fort Augustus .. .. | 68 | 59 | 24th | 16 | 22nd | 40·6 | 26·9 | 34·0 | - 3·7 | 0 | 56 | 2 | 0·36 | - 0·90 | 0·9 | + 0·3 | 13 | * | * | * | * | * | * | Fort Augustus. |
| *p* Fort William .. .. | 175 | 49 | 24th | 21 | 22nd | 39·3 | 28·6 | 34·2 | - 5·2 | 0 | 55 | 2 | 1·63 | - 0·49 | * | * | * | * | * | * | * | * | * | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle .. .. | 101 | 52 | 24th | 18 | 23rd | 40·1 | 27·4 | 34·0 | - 4·1 | 0 | 56 | 0 | 0·00 | - 0·48 | 2·0 | — | 38 | * | * | * | * | * | * | Crathes S. |
| *a* Nairn .. .. .. | 82 | 50 | 24th | 17 | 22, 23 | 37·7 | 23·7 | 31·0 | - 6·4 | 0 | 77 | 2 | 0·05 | - 0·37 | 2·0 | — | 28 | * | * | * | * | * | * | *Gordon Castle* |
| *a* Aberdeen .. .. | 46 | 52 | 24th | 32 | 21st | 41·7 | 34·3 | 38·2 | + 0·5 | 0 | 27 | 3 | 0·05 | - 0·47 | 1·0 | - 0·6 | 14 | * | * | * | * | 40·0 | +0·3 | Nairn. |
| *a* Balmoral .. .. | 950 | 50 | 24th | 15 | 22nd | 39·3 | 26·0 | 32·9 | - 1·3 | 0 | 64 | 3 | 0·09 | - 0·60 | * | * | * | 7 | 12 | * | * | * | * | Aberdeen. |
| *p* Crieff .. .. .. | 440 | 48 | 24th | 31 | 21, 23 | 37·7 | 32·3 | 35·1 | - 2·1 | 0 | 48 | 2 | 0·43 | - 0·48 | 0·1 | * | 1 | * | * | * | * | * | * | Balmoral. |
| *a* Leith .. .. .. | 18 | 53 | 24th | 31 | 18th | 41·9 | 34·0 | 38·1 | - 1·0 | 0 | 27 | 1 | 0·02 | - 0·35 | * | * | * | * | * | * | * | * | * | Balruddery. |
| *p* West Linton .. .. | 800 | 49 | 24th | 26 | 21st | 37·6 | 28·4 | 33·2 | - 3·0 | 0 | 62 | 1 | 0·22 | — | *0·4* | — | *5* | 6 | ? | * | * | * | * | *West Linton* |
| *p* Marchmont .. .. | 498 | 45 | 24th | 28 | 23rd | 38·0 | 30·9 | 34·6 | - 2·0 | 0 | 52 | 3 | 0·10 | - 0·41 | 0·4 | - 1·0 | 5 | 7 | 25 | 36·0 | -0·1 | * | * | Marchmont. |
| *Edinburgh* .. .. | *441* | *51* | *24th* | *33* | *19-24* | *38·6* | *33·1* | *36·0* | — | *0* | *42* | *1* | *0·09* | — | 0·4 | — | 5 | 7 | 25 | * | * | * | * | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch .. .. | 132 | 49 | 24th | 30 | 19, 21 | 39·6 | 32·3 | 36·1 | - 3·0 | 0 | 41 | 2 | 0·62 | - 0·43 | * | * | * | * | * | * | * | * | * | |
| *p* Glasgow .. .. | 180 | 50 | 24th | 33 | 21st | 39·9 | 35·6 | 37·8 | - 0·7 | 0 | 29 | 2 | 0·50 | - 0·23 | 0·0 | - 0·7 | 0 | 1 | 28 | * | * | * | * | Glasgow. |
| *p* Rothesay .. .. | 73 | 52 | 24th | 32 | 21st | 40·7 | 35·6 | 38·3 | - 1·3 | 0 | 26 | 2 | 0·93 | - 0·05 | *0·1* | — | *1* | 3 | 25 | 36·1 | * | 42·3 | +0·2 | *Rothesay.* |
| *a* Kilmarnock .. .. | 90 | 51 | 24th | 25 | 21st | 40·1 | 30·4 | 35·4 | - 4·3 | 0 | 46 | 2 | 0·77 | — | *0·3* | — | *4* | * | * | * | * | * | * | *Kilmarnock.* |
| *a* Colmonell .. .. | 150 | 50 | 24th | 26 | 21st | 40·1 | 31·4 | 35·9 | - 3·8 | 0 | 43 | 2 | 0·52 | - 0·48 | * | * | * | 3 | 23 | * | * | * | * | |
| *p* Dumfries .. .. | 160 | 48 | 24th | 29 | 19, 23 | 39·4 | 31·1 | 35·4 | - 2·9 | 0 | 46 | 1 | 0·45 | - 0·31 | *0·5* | — | *7* | 6 | 24 | 35·3 | * | 40·1 | * | *Dumfries.* |
| *p* Cally, Gatehouse .. | 120 | 48 | 24th | 29 | 20th | 40·0 | 33·0 | 36·6 | - 1·1 | 0 | 38 | 2 | 0·73 | - 0·29 | * | * | * | * | * | * | * | * | * | |
| *b*. I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas .. .. .. | 277 | 48 | 24th | 34 | 20, 23 | 40·3 | 36·0 | 38·2 | - 2·5 | 0 | 27 | 2 | 0·62 | - 9·16 | 0·0 | - 1·6 | 0 | 1 | 30 | * | * | * | * | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle .. | 210 | 51 | 24th | 28 | 24th | 39·7 | 30·3 | 35·2 | - 3·0 | 0 | 48 | 4 | 0·24 | - 0·29 | 0·9 | — | 12 | 6 | 18 | 35·3 | -1·1 | 40·1 | +0·7 | Cockle Park |
| *a* Shields .. .. | 96 | 49 | 24th | 28 | 24th | 40·4 | 34·1 | 37·4 | - 1·4 | 0 | 32 | 5 | 0·30 | - 0·06 | * | * | * | * | * | * | * | * | * | |
| *p* Durham .. .. | 336 | 47 | 24th | 24 | 24th | 38·1 | 29·7 | 34·1 | - 3·0 | 0 | 55 | 4 | 0·04 | - 0·30 | 0·3 | - 1·1 | 4 | 4 | 21 | * | * | * | * | Durham. |
| *a*, North .. *p* Rounton .. .. | 249 | 45 | 24th | 27 | 24th | 37·7 | 29·9 | 34·0 | - 3·0 | 0 | 56 | 2 | 0·05 | - 0·35 | * | * | * | 7 | 22 | 36·5 | * | * | * | Rounton. |
| *a West Witton* .. .. | *605* | *48* | *24th* | *25* | *24th* | *37·1* | *29·9* | *33·6* | — | *0* | *59* | *3* | *0·10* | — | * | * | * | 6 | 20 | 37·0 | * | 41·1 | * | *West Witton.* |
| *p* Scarborough .. .. | 100 | 43 | 20th | 29 | 23, 24 | 40·4 | 33·6 | 37·1 | - 1·3 | 0 | 34 | 4 | 0·08 | - 0·36 | 0·6 | — | 8 | * | * | * | * | 41·5† | * | Scarborough. |
| *p* York .. .. | 56 | 43 | 24th | 27 | 24th | 39·0 | 31·4 | 35·4 | - 2·6 | 0 | 46 | 1 | 0·01 | - 0·36 | 0·3 | - 0·7 | 4 | * | * | 38·4 | +0·4 | 42·4 | +1·2 | York. |
| | | | | | | | | | | | | — | — | — | *0·4* | — | *5* | 2 | 23 | 36·3 | -0·5 | 43·0 | +0·5 | *Hull.* |
| *b*, South .. *a* Spurn Head .. .. | 26 | 42 | 24th | 29 | 24th | 39·4 | 34·0 | 36·8 | - 1·8 | 0 | 36 | 3 | 0·08 | - 0·20 | *1·7* | — | *22* | * | * | * | * | * | * | *Spurn Head.* |
| *a* Lincoln .. .. | 58 | 45 | 24th | 25 | 24th | 38·6 | 31·7 | 35·3 | - 1·9 | 0 | 47 | 0 | 0·00 | - 0·37 | * | * | * | * | * | 35·6 | -1·1 | 41·8 | +0·5 | Lincoln. |
| *a* Fulbeck .. .. | 180 | 44 | 24th | 25 | 24th | 36·9 | 31·0 | 34·1 | - 3·3 | 0 | 55 | 2 | 0·02 | - 0·36 | 1·2 | — | 15 | 6 | 13 | 37·0 | -0·9 | 43·0 | +0·1 | Rauceby. |
| | | | | | | | | | | | | — | — | — | 1·5 | — | 19 | * | * | * | * | * | * | Skegness. |
| **3.** ENGLAND, E. | | | | | | | | | | | | — | — | — | *1·0* | — | *13* | 3 | 20 | 36·6 | -0·5 | 41·7 | +0·1 | *Lowestoft.* |
| *p* Cromer .. .. .. | 196 | 40 | 22, 23 | 26 | 24th | 37·7 | 31·1 | 34·5 | - 2·4 | 0 | 53 | 3 | 0·04 | — | 1·3 | — | 17 | * | * | * | * | * | * | Cromer. |
| *p* Little Massingham .. | 280 | 38 | 22nd | 24 | 24th | 38·6 | 28·9 | 32·9 | - 3·8 | 0 | 64 | 2 | 0·04 | - 0·41 | 1·1 | - 0·4 | 14 | 7 | 18 | * | * | * | * | Lit. Massingham. |
| *a*, North .. *a* Yarmouth .. .. | 17 | 38 | 21st | 26 | 24th | 36·6 | 31·7 | 34·3 | - 3·1 | 0 | 54 | 1 | 0·07 | - 0·30 | 1·2 | — | 15 | * | * | 36·9 | -0·4 | 42·4 | -0·2 | Yarmouth. |
| *a* Norwich .. .. | 93 | 38 | 22, 24 | 23 | 24th | 38·1 | 29·9 | 33·1 | - 4·1 | 0 | 62 | 4 | 0·14 | — | *1·1* | * | *14* | 6 | 19 | 35·8 | * | * | * | *Norwich.* |
| *p* Geldeston .. .. | 37 | 41 | 18th | 23 | 24th | 37·4 | 30·3 | 34·0 | - 3·7 | 0 | 56 | 2 | 0·06 | - 0·28 | 1·0 | - 0·7 | 13 | * | * | * | * | * | * | Geldeston. |
| *p* Cambridge .. .. | 41 | 38 | 23rd | 20 | 24th | 35·6 | 29·3 | 32·6 | - 4·9 | 0 | 66 | 2 | 0·02 | - 0·29 | 0·8 | - 0·8 | 10 | 6 | 20 | 37·1 | -0·5 | 42·7 | +0·3 | Cambridge. |
| *a Felixstowe* .. .. | *10* | *38* | *18th* | *26* | *24th* | *36·9* | *31·7* | *34·4* | *- 3·8* | *0* | *53* | *1* | *0·01* | — | *1·2* | — | *15* | * | * | * | * | * | * | *Felixstowe.* |
| *b*, South .. *a* Clacton-on-Sea .. | 54 | 39 | 23rd | 26 | 24th | 36·9 | 32·1 | 34·6 | - 3·5 | 0 | 52 | 0 | 0·00 | — | 1·2 | — | 15 | 4 | 20 | 37·4 | -2·0 | 43·4 | -0·7 | Clacton. |
| *a* Rothamsted .. .. | 424 | 40 | 24th | 19 | 24th | 35·4 | 27·6 | 31·7 | - 5·5 | 0 | 72 | 0 | 0·02‖ | - 0·43 | 0·9 | - 0·7 | 11 | * | * | * | * | * | * | Rothamsted. |
| *a Shoeburyness* .. .. | *13* | *39* | *23rd* | *21* | *24th* | *36·4* | *28·9* | *32·8* | *- 5·8* | *0* | *64* | *0* | *0·00* | *- 0·28* | *1·7* | — | *21* | 7 | 17 | 36·9 | -1·5 | * | * | *Southend.* |
| *p* Tottenham .. .. | 51 | 39 | 23rd | 21 | 24th | 36·9 | 29·7½ | 33·4 | - 5·3 | 0 | 60 | 0 | 0·00 | — | 0·4 | — | 5 | 6 | 21 | * | * | 44·6 | +0·9 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | — | — | — | *0·7* | — | *9* | 4 | 21 | 36·4 | -1·2 | 42·1 | +0·6 | *Huddersfield.* |
| *a* Harrogate .. .. | 476 | 47 | 24th | 15 | 24th | 36·6 | 28·1 | 32·5 | - 4·3 | 0 | 67 | 2 | 0·04 | - 0·46 | 0·0 | — | 0 | 5 | 23 | 37·3 | -0·7 | 40·4 | +0·2 | Harrogate. |
| *a* Bawtry .. .. | 65 | 45 | 24th | 26 | 19, 24 | 37·4 | 30·3 | 34·0 | - 3·7 | 0 | 56 | 0 | 0·00 | - 0·37 | 0·6 | - 0·6 | 8 | 4 | 16 | 37·1 | * | 41·4 | * | Worksop. |
| *p Buxton* .. .. | *987* | *41* | *24th* | *23* | *24th* | *35·3* | *28·9* | *32·2* | *- 3·1* | *0* | *69* | *1* | *0·09* | *- 0·98* | *1·3* | — | *17* | 6 | 22 | 35·8 | -1·5 | 42·7 | +0·4 | *Buxton.* |
| *a*, East .. *a* Nottingham .. .. | 82 | 44 | 24th | 22 | 24th | 37·6 | 31·0 | 34·4 | - 3·3 | 0 | 63 | 3 | 0·05 | - 0·36 | 1·0 | — | 13 | 4 | 18 | 35·0 | -1·3 | 40·0 | +0·1 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 40 | 24th | 26 | 24th | 35·6 | 29·9 | 32·9 | - 4·8 | 0 | 64 | 0 | 0·00 | - 0·44 | 1·4 | — | 18 | 7 | 11 | 37·4 | -2·0 | 44·7 | +0·5 | Birmingham. |
| *a* Raunds .. .. .. | 204 | 42 | 24th | 19 | 24th | 36·7 | 28·6 | 32·8 | - 4·2 | 0 | 64 | 1 | 0·01 | — | *1·4* | — | *18* | 7 | 10 | 39·1 | * | 44·8 | * | *Raunds.* |
| *p* Oxford .. .. .. | 208 | 40 | 24th | 21 | 24th | 36·3 | 29·1 | 32·8 | - 6·1 | 0 | 64 | 0 | 0·00 | - 0·39 | 1·4 | - 0·1 | 17 | 6 | 15 | * | * | * | * | Oxford. |
| | | | | | | | | | | | | — | — | — | *1·0* | — | *13* | 4 | 21 | 37·1 | -0·1 | 42·7 | +1·0 | Sheffield. |
| *a* Cheadle .. .. | 646 | 43 | 24th | 24 | 23rd | 35·6 | 29·3 | 32·6 | - 4·0 | 0 | 66 | 0 | 0·00 | - 0·55 | * | * | * | 5 | 21 | * | * | * | * | Cheadle. |
| *p* Shrewsbury .. .. | 191 | 46 | 24th | 20 | 24th | 38·6 | 28·7 | 33·9 | - 4·3 | 0 | 57 | 1 | 0·07 | — | * | * | * | ? | ? | * | * | * | * | Shrewsbury. |
| *b*, West .. *a* Hereford§ .. .. | 291 | 45 | 24th | 24 | 24th | 36·7 | 28·6 | 32·8 | - 5·4 | 0 | 64 | 0 | 0·00 | - 0·50 | *1·7* | — | *21* | 7 | 18 | 35·3 | * | 42·0 | * | *Malvern.*§ |
| *a* Cirencester .. .. | 446 | 43 | 24th | 15 | 24th | 36·3 | 26·0 | 31·4 | - 5·8 | 0 | 74 | 0 | 0·00 | - 0·51 | 1·4 | - 0·1 | 17 | 7 | 19 | 37·6 | * | 43·2 | * | Cirencester. |
| *a* Bath .. .. .. | 66 | 47 | 24th | 20 | 24th | 37·7 | 27·3 | 32·7 | - 6·7 | 0 | 65 | 0 | 0·00 | - 0·53 | 1·6 | — | 20 | * | * | 37·2 | -2·7 | 43·4 | -1·2 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | — | — | — | * | * | * | 7 | 11 | 36·1 | -3·0 | 45·6 | +1·7 | Canterbury. |
| *p* Kew .. .. .. | 18 | 37 | 18, 19, 22 | 19 | 24th | 35·1 | 28·6 | 32·0 | - 6·9 | 0 | 70 | 0 | 0·02‖ | - 0·35 | 0·0 | - 1·3 | 0 | 7 | 10 | 36·5 | -1·6 | 43·4 | -0·2 | Kew. |
| *a* Marlborough .. .. | 424 | 42 | 24th | 10 | 23rd | 35·6 | 24·3 | 30·2 | - 7·2 | 0 | 83 | 0 | 0·00 | - 0·55 | 0·5 | - 0·9 | 6 | 7 | 9 | * | * | 44·4 | * | Marlborough. |
| *a* Margate .. .. .. | 35 | 36 | 18, 23 | 24 | 24th | 35·1 | 29·4 | 32·4 | - 6·6 | 0 | 67 | 0 | 0·00 | - 0·37 | 1·8 | + 0·3 | 22 | 5 | 15 | 38·8 | -0·1 | 45·4 | +3·2 | Margate. |
| *a* Wisley, Surrey .. | 150 | 40 | 24th | 15 | 24th | 34·9 | 26·3 | 30·8 | - 8·4 | 0 | 78 | 0 | 0·00 | — | 0·8 | — | 10 | 7 | 8 | 35·9 | -2·4 | 42·1 | -0·7 | Wisley. |
| | | | | | | | | | | | | — | — | — | 1·8 | — | *24* | 7 | 16 | 35·4 | -3·2 | 43·6 | -0·4 | Worthing. |
| *p* Salisbury (Wilton) .. | 180 | 41 | 24th | 18 | 24th | 35·3 | 25·7 | 30·7 | - 7·0 | 0 | 79 | 0 | 0·00 | - 0·60 | * | * | * | 7 | 14 | 36·9 | * | * | * | Salisbury. |
| *a* Tunbridge Wells .. | 418 | | | | | | | | | | | — | — | — | * | * | * | * | * | * | * | * | * | Tunbridge Wells. |
| *a* Dungeness .. .. | 21 | 38 | 18, 24 | 28 | 22nd | 35·4 | 30·1 | 32·9 | - 6·3 | 0 | 64 | 0 | 0·00 | - 0·40 | 1·8 | — | 22 | * | * | * | * | * | * | Littlestone. |
| *p* Hastings .. .. | 178 | 36 | 18, 24 | 24 | 23rd | 34·0 | ‡28·0 | 31·1 | - 8·3 | 0 | 76 | 0 | 0·00 | - 0·51 | *2·6* | — | *31* | 7 | 18 | 35·2 | * | 42·9 | * | *Hastings.* |
| *p* Southampton .. .. | 65 | 41 | 24th | 21 | 24th | 35·6 | 28·0 | 32·0 | - 8·0 | 0 | 70 | 0 | 0·00 | - 0·56 | 1·1 | - 0·6 | 13 | 6 | 17 | * | * | * | * | Southampton. |
| *a* Ventnor .. .. .. | 80 | 43 | 24th | 29 | 23rd | 36·9 | 30·6 | 33·9 | - 7·7 | 0 | 57 | 0 | 0·00 | - 0·56 | 1·3 | - 0·6 | 16 | * | * | * | * | * | * | Ventnor. |
| | | | | | | | | | | | | — | — | — | *1·7* | — | *21* | 6 | 14 | 37·3 | -3·0 | 44·4 | -0·5 | *Portsmouth.* |
| | | | | | | | | | | | | — | — | — | 1·9 | + 0·1 | 23 | * | * | 37·4 | * | 44·6 | * | Eastbourne. |
| | | | | | | | | | | | | — | — | — | *1·7* | — | *21* | * | * | 36·3 | * | 41·2 | * | *Bournemouth.* |
| | | | | | | | | | | | | — | — | — | *2·0* | — | *24* | 6 | 20 | * | * | 41·5 | * | *Brighton.* |
| LONDON. | | | | | | | | | | | | | | | | | | | | | | | | | |
| *a Westminster* .. .. | *27* | *40* | *24th* | *30* | *24th* | *36·7* | *31·3* | *34·1* | *- 4·7* | *0* | *55* | *0* | *0·00* | *- 0·38* | *0·0* | *- 0·6* | *0* | 4 | 22 | * | * | * | * | *Westminster.* |
| *a Greenwich* .. .. | *155* | *39* | *24th* | *20* | *24th* | *36·4* | *28·6* | *32·7* | *- 6·0* | *0* | *65* | *1* | *0·02* | *- 0·34* | *1·1* | *- 0·2* | *14* | 7 | 4 | * | * | * | * | *Greenwich.* |
| *a Hampstead* .. .. | *450* | *38* | *24th* | *19* | *24th* | *34·1* | *28·1* | *31·2* | — | *0* | *76* | *0* | *0·00* | — | *0·4* | — | *5* | 7 | 9 | * | * | * | * | *Hampstead.* |
| *a Camden Square* .. | *110* | *40* | *24th* | *21* | *24th* | *35·7* | *28·9* | *32·4* | — | *0* | *67* | *0* | *0·00* | — | *0·0* | — | *0* | 7 | 19 | * | * | * | * | *Camden Square.* |
| | | | | | | | | | | | | — | — | — | *0·6* | — | *8* | 5 | 20 | 35·6 | -1·7 | 41·8 | +0·2 | *Burnley.* |
| **7.** *a* ENGLAND, N.W. | | | | | | | | | | | | — | — | — | 0·8 | — | 10 | * | * | * | * | * | * | Hoylake. |
| *p* Aspatria .. .. .. | 250 | 47 | 24th | 25 | 23rd | 39·0 | 28·1 | 33·8 | - 4·1 | 0 | 57 | 1 | 0·48 | - 0·15 | 1·5 | — | 20 | 5 | 14 | 37·6 | * | 43·7 | * | Aspatria. |
| *p* Newton Rigg .. .. | 559 | 45 | 24th | 25 | 23rd | 36·9 | 29·7 | 33·4 | - 3·5 | 0 | 60 | 1 | 0·17 | - 0·57 | 0·7 | - 0·6 | 9 | 7 | 16 | 37·0 | -1·1 | 41·0 | +0·4 | Newton Rigg. |
| *p* Stonyhurst .. .. | 375 | 44 | 24th | 26 | 23, 24 | 37·6 | 30·4 | 34·1 | - 3·9 | 0 | 55 | 0 | 0·00 | - 0·91 | 0·2 | - 0·9 | 3 | 7 | 15 | * | * | * | * | Stonyhurst. |
| *p* Blackpool .. .. | 66 | 49 | 24th | 27 | 24th | 38·9 | 31·0 | 35·1 | - 3·6 | 0 | 48 | 1 | 0·07 | - 0·54 | 0·7 | - 0·5 | 9 | 5 | 22 | 39·1 | * | 44·9 | * | Blackpool. |
| *p* Manchester (Whit. Pk.) | 125 | 44 | 24th | 29 | 23, 24 | 39·0 | 32·9 | 36·1 | - 3·0 | 0 | 41 | 1 | 0·05 | - 0·48 | *1·0* | *+ 1·0* | *13* | * | * | * | * | * | * | *Whit. Park.* |
| *a* Liverpool (Bidston) .. | 188 | 51 | 24th | 28 | 23, 24 | 39·0 | 31·9 | 35·6 | - 4·3 | 0 | 45 | 1 | 0·01 | - 0·47 | *1·1* | — | *14* | * | * | * | * | * | * | *Liverpool.* |
| *a Hawarden Bridge* .. | *22* | *54* | *24th* | *28* | *24th* | *40·3* | *32·4* | *36·5* | *- 3·7* | *0* | *39* | *0* | *0·00* | *- 0·37* | *0·9* | — | *12* | 6 | 23 | 35·3 | -1·7 | 40·7 | +0·2 | *Southport.* |
| | | | | | | | | | | | | — | — | — | *0·4* | — | *5* | 4 | 26 | 38·1 | -1·7 | 43·1 | +0·5 | *Manchester (City).* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno .. .. | 71 | 52 | 24th | 28 | 23rd | 40·3 | 32·7 | 36·7 | - 4·8 | 0 | 37 | 0 | 0·00 | - 0·57 | 1·8 | + 0·3 | 23 | * | * | * | * | * | * | Llandudno |
| *a* Holyhead .. .. | 57 | 49 | 24th | 28 | 21st | 40·6 | 32·1 | 36·5 | - 5·4 | 0 | 39 | 1 | 0·36 | - 0·29 | *0·6* | — | *8* | * | * | * | * | * | * | *Holyhead.* |
| *p* Bettws-y-Coed .. | 101 | | | | | | | | | | | — | — | — | * | * | * | * | * | * | * | * | * | Bettws-y-Coed. |
| | | | | | | | | | | | | — | — | — | 2·9 | — | 38 | * | * | * | * | * | * | Aberdovey. |

* For notes see also opposite page. † At 3 feet. ‖ Hoar frost. § The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| Districts and Names of Stations reporting Temperature of Air and Rainfall. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | Stations reporting Sunshine and Temperature on the Grass and in the Ground. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES. | | | | | | | | | | | | | | | 2·6 | — | 33 | | | | | | | Aberystwyth. |
| *a* Llangammarch Wells | 550 | 48 | 24th | 19 | 23, 24 | 36·9 | 27·3 | 32·3 | − 4·9 | 0 | 68 | 1 | 0·17 | — | 1·4 | — | 18 | 6 | 12 | 36·8 | −2·7 | 44·7 | +0·3 | Llangammarch |
| *a* Pembroke .. .. | 149 | 49 | 24th | 31 | 20, 21 | 41·1 | 34·0 | 37·7 | − 4·9 | 0 | 30 | 0 | 0·00 | − 0·75 | 0·6 | − 1·1 | 7 | * | * | * | * | * | * | Pembroke.[Wells |
| *p* Cardiff .. .. .. | 203 | 43 | 24th | 27 | 23, 24 | 36·3 | 28·6 | 32·6 | − 7·0 | 0 | 66 | 0 | 0·00 | − 0·81 | *1·2* | — | *15* | 7 | 21 | 36·4 | −1·9 | 43·4 | +0·2 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 46 | 24th | 27 | 23, 24 | 36·9 | 29·9 | 33·5 | − 6·0 | 0 | 60 | 0 | 3·00 | − 0·63 | *0·7* | — | *9* | 7 | 22 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 42 | 24th | 22 | 23rd | 32·9 | 25·9 | 29·5 | − 8·1 | 0 | 88 | 0 | 0·00 | − 0·59 | * | * | * | * | * | 34·6 | * | 42·6 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 47 | 24th | 21 | 23rd | 35·7 | 27·6 | 31·8 | − 7·5 | 0 | 71 | 0 | 0·00 | − 1·04 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *50* | *24th* | *28* | *21st* | *40·1* | *31·4* | *35·9* | − *7·8* | *0* | *43* | *0* | *0·00* | − *0·67* | 1·6 | * | 19 | 7 | 22 | 38·7 | * | 45·5 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 47 | 24th | 22 | 23rd | 36·4 | 28·3 | 32·5 | − 7·1 | 0 | 67 | 0 | 0·00 | − 0·70 | 1·1 | − 0·4 | 13 | 6 | 15 | 38·6 | * | * | * | Cullompton. |
| *a* Portland .. .. | 19 | 45 | 24th | 32 | 22nd | 37·6 | 33·0 | 35·4 | − 6·4 | 0 | 46 | 0 | 0·00 | — | *1·4* | — | *17* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 48 | 24th | 31 | 24th | 39·3 | 32·1 | 35·8 | − 6·4 | 0 | 43 | 0 | 0·00 | − 0·75 | 1·4 | − 0·2 | 17 | 5 | 27 | 37·8 | −3·6 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 49 | 24th | 33 | 21, 22 | 42·0 | 34·4 | 38·4 | − 5·1 | 0 | 25 | 0 | 0·00 | − 0·96 | 0·6 | − 1·2 | 7 | 5 | 27 | 40·5 | * | 46·4 | * | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. { *a* Malin Head .. .. | 208 | 51 | 24th | 33 | 21, 23 | 40·7 | 35·0 | 38·0 | − 2·9 | 0 | 28 | 1 | 0·15 | − 0·45 | * | * | * | * | * | * | * | * | * | |
| *a* Blacksod Point .. | 37 | 53 | 24th | 34 | 20–23 | 43·6 | 35·9 | 39·9 | − 2·7 | 4 | 24 | 2 | 0·45 | − 0·67 | * | * | * | * | * | * | * | * | * | |
| *p* Markree Castle .. | 122 | 53 | 24th | 26 | 19, 20 | 41·3 | 32·1 | 36·9 | − 2·5 | 0 | 36 | 2 | 0·30 | − 0·54 | 0·7 | − 0·6 | 9 | 5 | 21 | 40·5 | * | 44·6 | * | Markree Castle. |
| *a* Birr Castle .. | 175 | 54 | 24th | 32 | 20th | 42·0 | 34·4 | 38·4 | − 1·2 | 0 | 25 | 2 | 0·10 | − 0·53 | *1·2* | − *0·4* | *15* | * | * | * | * | * | * | *Birr Castle.* |
| *b*, East .. { *p* Armagh .. .. | 196 | 53 | 24th | 34 | 20, 22, 23 | 41·3 | 35·7 | 38·6 | − 0·9 | 0 | 24 | 2 | 0·16 | − 0·41 | 0·5 | − 1·0 | 7 | 1 | 30 | 38·6 | −1·4 | 43·3 | +0·1 | Armagh. |
| *a* Donaghadee .. .. | 40 | 51 | 24th | 36 | 20, 22 | 42·4 | 37·4 | 40·0 | − 0·5 | 1 | 17 | 2 | 0·29 | − 0·29 | * | * | * | * | * | * | * | * | * | |
| | | | | | | | | | | | | — | — | — | * | * | * | 1 | 28 | 40·1 | −0·4 | 44·2 | +0·4 | Trinity Coll. |
| **10.** IRELAND, S. | | | | | | | | | | | | — | — | — | 0·4 | − 1·5 | 5 | 1 | 30 | * | * | * | * | Phœnix Park. |
| *a*, East .. { *p* Dublin, City .. .. | 47 | 53 | 24th | 35 | 20, 22 | 41·9 | 37 0 | 39·6 | − 1·9 | 0 | 17 | 1 | 0·05 | − 0·45 | * | * | * | 0 | 34 | * | * | * | * | Dublin City. |
| *a* Kilkenny .. .. | 195 | 53 | 24th | 33 | 19, 20, 22 | 41·9 | 34·9 | 38·5 | − 1·6 | 0 | 25 | 3 | 0·20 | − 0·57 | * | * | * | * | * | * | * | * | * | * | |
| *a* Waterford .. .. | 100 | 50 | 22–24 | 32 | 19th | 44·1 | 36·0 | 40·2 | − 0·9 | 6 | 24 | 2 | 0·27 | − 0·61 | * | * | * | * | * | * | * | * | * | * | |
| *a Carrick-on-Suir* .. | *541* | *49* | *24th* | *32* | *20, 22* | *40·1* | *34·7* | *37·5* | — | *0* | *32* | *2* | *0·25* | — | *0·2* | — | *3* | 0 | 32 | * | * | * | * | *Carrick-on-Suir.* |
| *a* Birr Castle .. .. | 175 | 54 | 24th | 32 | 20th | 42·0 | 34·4 | 38·4 | − 1·2 | 0 | 25 | 2 | 0·10 | − 0·53 | 1·2 | − 0·4 | 15 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes† .. .. | 50 | 55 | 24th | 24 | 20th | 43·7 | 31·3 | 37·8 | − 4·1 | 5 | 41 | 3 | 0·23 | − 0·61 | * | * | * | * | * | * | * | * | * | |
| *b*, West .. { *a* Cahir .. .. | 199 | 52 | 24th | 30 | 19th | 42·3 | 33·9 | 38·3 | − 3·0 | 1 | 30 | 3 | 0·52 | — | * | * | * | * | * | * | * | * | * | |
| *a* Killarney .. .. | 174 | 53 | 24th | 24 | 18th | 46·0 | 34·4 | 40·4 | − 2·1 | 11 | 31 | 4 | 0·82 | − 0·60 | * | * | * | * | * | * | * | * | * | |
| *a* Valencia .. .. | 30 | 53 | 24th | 28 | 18, 19 | 47·1 | 37·6 | 42·5 | − 2·0 | 22 | 12 | 6 | 0·97 | − 0·28 | 1·1 | − 0·5 | 14 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. .. | 32 | 49 | 24th | 34 | 20th | 44·7 | 38·7 | 41·8 | − 1·7 | 8 | 14 | 4 | 0·57 | − 0·46 | * | * | * | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 50 | 24th | 37 | 18, 22, 23 | 45·6 | 38·0 | 42·0 | − 3·7 | 10 | 11 | 1 | 0·02 | − 0·68 | 0·7 | − 1·2 | 8 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 42 | 18th | 25 | 24th | 37·7 | 29·0 | 33·5 | − 9·1 | 0 | 60 | 1 | 0·02 | − 0·65 | 3·8 | + 1·6 | 44 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 44 | 18th | 27 | 24th | 38·9 | 31·0 | 35·1 | − 8·2 | 0 | 48 | 1 | 0·04 | − 0·70 | 2·3 | + 0 6 | 27 | 4 | 24 | 38·9 | −4·3 | 45·6 | −0·9 | Guernsey* |

Additional Sunshine Means:—*Bognor, 1·8 hrs. 22 %; Ramsgate, 1·8 hrs. 22 %; Rhyl, 1·2 hrs. 15 %; Salcombe, 1·6 hrs. 19 %; Penny, 0·2 hrs. (−1·7) 3 %; Torquay, 0·6 hrs. (−1·3) 7 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

† Instruments moved to new site.

## III.—TEMPERATURE of the SEA.

Week ending on morning of Saturday, Jan. 24th.

Taken daily at or about sunrise and at 4 p.m.

| District and Station. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 44 | 44 | 44·0 | +0·8 |
| Kirkwall .. .. | 43 | 42 | 42·4 | +1·4 |
| Wick .. .. .. | 44 | 43 | 43·5 | −1·0 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 42 | 34 | 38·9 | −1·2 |
| Pennan Bay .. .. | 42 | 40 | 41·1 | +1·0 |
| Aberdeen, Cove Bay | 42 | 42 | 42·0 | +2·5 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 43 | 42 | 42·8 | −2·4 |
| Ballantrae .. .. | 43 | 42 | 42·7 | +0·3 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 42 | 39 | 40·5 | +0·3 |
| Scarborough .. .. | 40 | 34 | 38·2 | −3·0 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 41 | 36 | 38·4 | −2·0 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 37 | 35 | 35·9 | −5·7 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 46 | 44 | 44·5 | −1·5 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 45 | 45 | 45·0 | −1·2 |
| Scilly .. .. .. | 48 | 46 | 46·8 | — |
| Plymouth‡ .. .. | 46 | 45 | 45·3 | −2·0 |
| Salcombe .. .. | 45 | 41 | 43·7 | −3·0 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 44 | 42 | 42·9 | −2·0 |
| Teelin .. .. .. | 44 | 41 | 42·0 | −1·8 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 45 | 41 | 42·9 | −1·3 |
| Seafield .. .. | 46 | 36 | 39·4 | −6·3 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS.

Week ending at midnight (24h.) on Saturday, Jan. 24th.

| District and Station | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. m/s. | d. | h. m. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. | d. | h. m. |
| **1.** SCOTLAND, E. Aberdeen .. .. | 105 | — | — | 24th | 2 | 33 | 133 | — 12 | 24th 15h. | 23 | 24th | 14.40 |
| **6.** SCOTLAND, W. Eskdalemuir .. | 50 | — | — | 24th | 17§ | 8§ | 136§ | SSW. 16 | 24th 16h. | 24 | 24th | 15.50 |
| Paisley .. .. | 80 | — | — | 24th | 3 | 22 | 143 | SSW. 11 | 24th 17h. | 24 | 24th | 17.25 |
| **2.** ENGLAND, N.E. Alnwick Castle .. | 70 | — | — | — | — | 7 | 161 | SW. 9 | 24th 17h. | 15 | 24th | 16.40 |
| South Shields .. | 61 | — | — | 24th | 2§ | 32§ | 131§ | W. 16 | 24th 21h. | 26 | 24th | 21.30 |
| Spurn Head .. | 40 | — | — | — | — | 67 | 101 | SSW. 10 | 24th 21h. | 14 | 24th | 19.55 |
| **3.** ENGLAND, E. Gorleston .. .. | 42 | — | — | 20th | 4§ | 87§ | 62§ | — 11 | 20th 6h. | 15 | 20th | 5.50 |
| Shoeburyness .. .. | 90 | — | — | 20th | 1 | 99 | 68 | ENE. 11 | 20th 13h. | 15 | 20th | 13.15 |
| **4.** MIDLAND COUNTIES. Pyrton Hill .. | 45 | — | — | — | — | — | 168 | — 4 | 24th 23h. | 9 | 24th | 22.45 |
| **5.** ENGLAND, S.E. Dover .. .. | 40 | — | — | 21st | 3§ | 77§ | 48§ | — 12 | 21st 7h. | 14 | 21st | 5.35 |
| Warlingham .. | 33 | — | — | — | — | 14 | 154 | — 7 | 24th 14h. | 15 | 20th | 14.30 |
| Brighton .. .. | 53 | — | — | — | — | 7 | 161 | — 6 | 20th 12,15h | 13 | 20th | 15.55 |
| Kew .. .. | 40 | — | — | — | — | 6§ | 117§ | — 7 | 20th 13h. | 13 | 20th | 12.25 |
| South Kensington | 92 | — | — | — | — | — | 168 | ENE. 5 | 20th 13h. | 8 | 20th | 13.10 |
| **7.** ENGLAND, N.W. Southport .. | 62 | — | — | 24th | 2 | 52 | 114 | SSW. 12 | 24th 21h. | 18 | 24th | 21.20 |
| Holyhead .. .. | 40 | — | — | 23, 24 | 17 | 55 | 96 | SSW. 13 | 24th 19h. | 24 | 24th | 19.0 |
| **8.** ENGLAND, S.W. Pendennis Castle | 65 | — | — | 19 to 22, 24 | 61 | 98 | 9 | ENE. 17 | 21st 19h. | 20 | 21st | 19.55 |
| Plymouth .. | 86 | — | — | — | — | 16 | 152 | — 6 | 20th 1h. 21st 18h. | 12 | 21st | 12.40 |
| **10.** IRELAND, S. Quilty .. .. | 40 | — | — | 21 to 24 | 36§ | 78§ | 18§ | — 14 | 24th 14h | 20 | 23rd | 9.50 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — — | — | — | — |
| **11.** ENGLISH CHANNEL. Scilly .. .. | 19 | — | — | 19th | 1 | 137 | 30 | SE. 11 | 19th 11h. | 15 | 19th | 11.20 |

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907–1911, but in some cases for 1908–1911, or 1909–1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**THIRD WEEK**—January 18th to January 24th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week ‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest. | Lowest. | Means of | | | | Accumulated Number of Day-Degrees. | | | | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | | | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | | | | | | | | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 52 | 16 | 40·8 | 30·4 | 35·8 | − 3·1 | 0 | − 7 | 43 | +11 | 2 | − 3 | 0·48 | −0·97 | 1·2 | +0·4 | 17 | 1016 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 53 | 15 | 39·2 | 30·0 | 34·8 | − 3·3 | 0 | − 8 | 50 | +13 | 2 | − 2 | 0·12 | −0·46 | 0·9 | −0·6 | 12 | 1019 |
| 2. ENGLAND, N.E. ... ... | 51 | 24 | 38·9 | 31·7 | 35·5 | − 3·4 | 0 | − 8 | 46 | +14 | 3 | 0 | 0·09 | −0·31 | 0·8 | −0·6 | 10 | 1020 |
| 3. ENGLAND, EAST ... | 41 | 19 | 36·6 | 30·1 | 33·5 | − 4·6 | 0 | − 8 | 60 | +23 | 2 | − 1 | 0·04 | −0·32 | 1·0 | −0·6 | 12 | 1021 |
| 4 MIDLAND COUNTIES ... | 47 | 15 | 36·8 | 28·8 | 33·0 | − 5·3 | 0 | − 10 | 63 | +27 | 1 | − 2 | 0·02 | −0·42 | 1·1 | −0·4 | 13 | 1021 |
| 5. ENGLAND, S.E. ... ... | 43 | 10 | 35·3 | 27·9 | 31·8 | − 8·0 | 0 | − 11 | 71 | +43 | 0 | − 4 | 0·00 | −0·49 | 1·2 | −0·3 | 15 | 1020 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 52 | 25 | 40·0 | 33·2 | 36·7 | − 3·6 | 0 | − 11 | 37 | +13 | 2 | − 2 | 0·64 | −0·42 | 0·0 | −1·2 | 0 | 1020 |
| 7. ENGLAND, N.W. ... ... | 52 | 25 | 38·9 | 31·1 | 35·2 | − 4·8 | 0 | − 9 | 48 | +22 | 1 | − 3 | 0·14 | −0·54 | 1·2 | 0·0 | 16 | 1020 |
| 8. ENGLAND, S.W. ... ... | 49 | 19 | 37·5 | 30·1 | 34·0 | − 7·6 | 0 | − 17 | 56 | +36 | 1 | − 3 | 0·02 | −0·76 | 1·3 | −0·3 | 16 | 1018 |
| 9. IRELAND, NORTH ... | 54 | 26 | 41·9 | 35·1 | 38·6 | − 2·4 | 0 | − 14 | 24 | + 2 | 2 | − 3 | 0·24 | −0·52 | 0·6 | −0·8 | 8 | 1016 |
| 10. IRELAND, SOUTH ... | 55 | 24 | 43·7 | 35·4 | 39·7 | − 3·1 | 5 | − 16 | 25 | + 9 | 3 | − 1 | 0·41 | −0·44 | 0·9 | −0·7 | 11 | 1014 |
| 11. ENGLISH CHANNEL ... | 50 | 25 | 40·7 | 32·7 | 36·9 | − 8·8 | 0 | − 25 | 36 | +29 | 1 | − 4 | 0·03 | −0·59 | 2·3 | +0·2 | 27 | 1017 |

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 8 Weeks, November 30th, 1913, to January 24th, 1914.

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 57 | 14 | * | * | * | * | 57 | − 2 | 227 | −37 | 37 | − 4 | 10·07 | 0·00 | 0·6 | −0·1 | 10 | |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 59 | 5 | * | * | * | * | 47 | − 6 | 289 | −35 | 27 | − 5 | 4·09 | −0·87 | 1·1 | 0·0 | 16 | |
| 2. ENGLAND, N.E. ... ... | 56 | 9 | * | * | * | * | 71 | + 9 | 232 | −34 | 25 | − 4 | 2·55 | −1·17 | 1·1 | −0·2 | 15 | |
| 3. ENGLAND, EAST ... | 57 | 19 | * | * | * | * | 87 | + 17 | 230 | −75 | 25 | − 6 | 2·18 | −1·21 | 1·4 | −0·1 | 18 | |
| 4. MIDLAND COUNTIES ... | 58 | 15 | * | * | * | * | 90 | + 11 | 262 | −46 | 22 | − 8 | 2·05 | −2·07 | 1·1 | −0·2 | 14 | |
| 5. ENGLAND, S.E. ... ... | 58 | 10 | * | * | * | * | 118 | + 9 | 226 | + 1 | 20 | −11 | 2·26 | −2·12 | 1·5 | 0·0 | 19 | |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 57 | 18 | * | * | * | * | 68 | − 15 | 206 | − 5 | 32 | − 5 | 7·04 | −2·02 | 0·9 | −0·1 | 13 | |
| 7. ENGLAND, N.W. ... ... | 57 | 16 | * | * | * | * | 96 | + 9 | 166 | −48 | 25 | − 8 | 4·47 | −1·20 | 1·0 | −0·1 | 13 | |
| 8. ENGLAND, S.W. ... ... | 56 | 11 | * | * | * | * | 131 | − 14 | 184 | +25 | 27 | − 8 | 4·31 | −3·14 | 1·3 | −0·2 | 17 | |
| 9. IRELAND, NORTH ... | 57 | 17 | * | * | * | * | 110 | + 5 | 136 | −48 | 30 | − 9 | 5·00 | −1·55 | 0·9 | −0·4 | 11 | |
| 10. IRELAND, SOUTH ... | 57 | 17 | * | * | * | * | 133 | − 38 | 131 | − 8 | 30 | − 7 | 3·97 | −4·01 | 1·2 | −0·4 | 15 | |
| 11. ENGLISH CHANNEL ... | 56 | 25 | * | * | * | * | 191 | − 39 | 104 | +51 | 29 | −10 | 4·72 | −1·69 | 1·6 | −0·3 | 20 | |

THE YEAR.—Aggregates, &c., for the Period of 3 Weeks, January 4th, 1914, to January 24th, 1914.

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 52 | 16 | * | * | * | * | 5 | − 14 | 119 | + 14 | 10 | − 5 | 2·48 | −1·20 | 1·0 | +0·3 | 14 | 1017 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 53 | 15 | * | * | * | * | 2 | − 16 | 134 | + 10 | 10 | − 1 | 1·50 | −0·22 | 0·8 | −0·4 | 11 | 1019 |
| 2. ENGLAND, N.E. ... ... | 54 | 24 | * | * | * | * | 8 | − 13 | 114 | + 10 | 14 | + 3 | 1·41 | +0·13 | 0·8 | −0·4 | 11 | 1020 |
| 3. ENGLAND, EAST ... | 55 | 19 | * | * | * | * | 12 | − 11 | 118 | − 2 | 11 | 0 | 1·40 | +0·20 | 1·1 | −0·3 | 14 | 1020 |
| 4. MIDLAND COUNTIES ... | 56 | 15 | * | * | * | * | 15 | − 13 | 141 | + 22 | 8 | − 3 | 0·73 | −0·72 | 1·0 | −0·3 | 13 | 1021 |
| 5. ENGLAND, S.E. ... ... | 55 | 10 | * | * | * | * | 23 | − 9 | 132 | + 40 | 7 | − 4 | 0·56 | −0·97 | 1·4 | −0·1 | 18 | 1020 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 54 | 18 | * | * | * | * | 11 | − 16 | 112 | + 28 | 9 | − 4 | 2·45 | −0·68 | 0·6 | −0·5 | 8 | 1020 |
| 7. ENGLAND, N.W. ... ... | 53 | 22 | * | * | * | * | 20 | − 8 | 103 | + 18 | 8 | − 4 | 1·61 | −0·37 | 1·0 | −0·1 | 13 | 1020 |
| 8. ENGLAND, S.W. ... ... | 55 | 19 | * | * | * | * | 25 | − 24 | 111 | + 45 | 8 | − 4 | 1·02 | −1·45 | 1·3 | −0·2 | 16 | 1020 |
| 9. IRELAND, NORTH ... | 55 | 25 | * | * | * | * | 24 | − 14 | 68 | − 4 | 8 | − 6 | 1·06 | −1·25 | 0·7 | −0·6 | 10 | 1018 |
| 10. IRELAND, SOUTH ... | 56 | 24 | * | * | * | * | 35 | − 25 | 60 | + 6 | 10 | − 3 | 1·23 | −1·58 | 1·2 | −0·3 | 16 | 1019 |
| 11. ENGLISH CHANNEL ... | 53 | 25 | * | * | * | * | 36 | − 39 | 58 | + 33 | 9 | − 5 | 1·08 | −1·03 | 2·0 | 0·0 | 25 | 1020 |

M.O., January 27, 1914.

## NOTES ON TABLE V.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb. = 29·531 mercury-inches.)

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 13

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) } No. 4. FOURTH WEEK, SUNDAY, JANUARY 25TH, TO SATURDAY, JANUARY 31ST, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

**Barometer, Wind and Weather.** With the exception of a few ill-defined secondaries no depressions passed over the United Kingdom, the main systems travelling on a track far to the northward, while pressure was highest either to the south-eastward or south-westward of these Islands. The main wind current was consequently between South and West, the Southerly wind predominating both at the beginning and at the end of the week. Gales were experienced very generally in the western and northern districts on Sunday, and occurred locally in the north-west and north on Wednesday and Friday, while on Saturday gales were general over a much larger area. With the Southerly gale on Sunday 1·54 in. of rain fell at Stornoway, and as much as 3·22 in. within 12 hours at Fort William; and with that of Saturday there was more than an inch at Llangammarch Wells, Salisbury and Killarney. The east and south-east of England were influenced more or less by the high pressure on the Continent, and rain was seldom experienced. With the mild South-Westerly winds a good deal of mist or fog prevailed at times on the western and southern seaboard.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Moderate |
| | Rainfall ... | Very heavy | Heavy | Light | Light | Light | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate |
| | Sunshine ... | Moderate | Moderate | Moderate | Scanty | Scanty | Scanty | Scanty | Moderate | Scanty | Scanty | Scanty | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 9 weeks from Nov. 30th, 1913. | Warmth ... | 3 * 3 | 4 * 2 | 3 * 2 | 5 * 3 | 5 * 4 | 4 * 4 | 2 * 2 | 4 * 3 | 4 * 4 | 4 * 2 | 4 * 4 | 3 * 4 |
| | Rainfall ... | 3 * 2 | 3 * 4 | 1 * 5 | 1 * 7 | 0 * 6 | 1 * 5 | 3 * 4 | 3 * 5 | 1 * 5 | 2 * 5 | 1 * 6 | 3 * 5 |
| | Sunshine ... | 3 * 0 | 2 * 1 | 1 * 2 | 1 * 3 | 1 * 5 | 2 * 3 | 2 * 3 | 1 * 0 | 2 * 4 | 1 * 6 | 1 * 6 | 0 * 3 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 1912–13. Dec. 1st–March 1st. 13 weeks. | Warmth ... | 5 * 3 | 5 * 3 | 6 * 2 | 5 * 1 | 6 * 2 | 7 * 1 | 8 * 3 | 6 * 1 | 6 * 2 | 9 * 1 | 8 * 3 | 8 * 1 |
| | Rainfall ... | 6 * 5 | 5 * 3 | 4 * 3 | 5 * 2 | 5 * 3 | 5 * 3 | 5 * 3 | 5 * 3 | 7 * 3 | 6 * 2 | 6 * 2 | 5 * 4 |
| | Sunshine ... | 1 * 6 | 0 * 7 | 1 * 8 | 2 * 7 | 2 * 9 | 3 * 6 | 0 * 9 | 2 * 4 | 1 * 8 | 0 * 8 | 0 * 8 | 1 * 9 |
| SPRING, 1913. Mar. 2nd–May 31st. 13 weeks. | Warmth ... | 2 * 5 | 2 * 5 | 5 * 2 | 5 * 2 | 4 * 2 | 4 * 2 | 2 * 4 | 4 * 3 | 3 * 2 | 1 * 3 | 1 * 3 | 3 * 4 |
| | Rainfall ... | 6 * 2 | 5 * 3 | 5 * 4 | 5 * 2 | 7 * 3 | 6 * 1 | 8 * 2 | 7 * 3 | 6 * 1 | 7 * 2 | 6 * 1 | 7 * 3 |
| | Sunshine ... | 3 * 3 | 2 * 3 | 1 * 4 | 2 * 6 | 2 * 5 | 2 * 4 | 1 * 8 | 1 * 4 | 0 * 6 | 2 * 5 | 1 * 6 | 0 *10 |
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| | Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| | Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |

EXPLANATION OF NOMENCLATURE USED ABOVE.

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—The charts for the current week will be issued with the Statistical Tables for next week.**

(316—19.) Wt. 196—786. 450. 2/14. D & S. G. 17/36.

# II.—DATA from which the SUMMARY in Table V. has been calculated.

| Districts and Names of Stations reporting Temperature of Air and Rainfall. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean | Difference from Average. | Earth 4 ft. Mean. | Difference from Average. | Stations reporting Sunshine and Temperature on the Grass and in the Ground. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, N. | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| *p Baltasound* | *31* | *50* | *31st* | *33* | *29th* | *45·3* | *36·3* | *41·0* | — | *9* | *24* | *7* | *1·47* | — | *0·5* | — | *8* | • | • | • | • | 39·2 | • | *Baltasound.* |
| *a* Lerwick | 54 | 51 | 31st | 34 | 27th | 45·9 | 37·0 | 41·6 | + 2·6 | 11 | 21 | 7 | 2·21 | — | 1·0 | - 0·1 | 14 | • | • | • | • | • | • | Deerness. |
| *a* Stornoway | 51 | 52 | 30th | 32 | 27, 28 | 46·3 | 35·7 | 41·2 | + 2·1 | 12 | 26 | 7 | 3·31 | + 2·20 | 0·5 | - 0·7 | 7 | • | • | • | • | • | • | Stornoway. |
| *a Castlebay, Barra Isd.* | 37 | *52* | *25, 30* | *38* | *26th* | *48·9* | *41·1* | *45·2* | + *3·6* | *26* | *3* | 7 | *0·98* | — | *0·4* | — | *5* | • | • | • | • | • | • | *Castlebay.* |
| *a* Wick | 81 | 51 | 31st | 31 | 28th | 45·1 | 34·4 | 40·0 | + 1·9 | 9 | 31 | 6 | 0·76 | + 0·19 | • | • | • | • | • | • | • | • | • | |
| *p* Strathpeffer | 200 | 54 | 31st | 31 | 27th | 45·7 | 36·4 | 41·2 | + 4·2 | 10 | 23 | 7 | 1·86 | + 1·16 | 0·7 | - 0·6 | 9 | • | • | • | • | • | • | Strathpeffer. |
| *p* Glencarron | 500 | | | | | | | | | | | — | — | — | • | • | • | • | • | • | • | • | • | |
| *p* Fort Augustus | 68 | 53 | 31st | 32 | 27th | 47·1 | 36·3 | 41·9 | + 4·2 | 14 | 25 | 7 | 2·37 | + 1·17 | 0·1 | - 0·7 | 1 | • | • | • | • | • | • | Fort Augustus. |
| *p* Fort William | 175 | 53 | 31st | 34 | 27th ‖ | 46·7 | 37·1 | 42·1 | + 2·8 | 21 | 14 | 7 | 6·98 | + 4·94 | • | • | • | • | • | • | • | • | • | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | — | — | — | 1·7 | — | 22 | 4 | 20 | 35·4 | +0·5 | 37·7 | +0·1 | |
| *p* Gordon Castle | 101 | 55 | 25, 31 | 30 | 27th | 49·0 | 36·4 | 43·0 | + 4·7 | 31 | 16 | 7 | 0·50 | + 0·02 | *2·0* | — | *26* | • | • | • | • | • | • | Crathes S. |
| *a* Nairn | 82 | 54 | 30, 31 | 32 | 27th | 46·7 | 35·0 | 41·1 | + 3·7 | 13 | 30 | 7 | 1·04 | + 0·61 | 1·2 | — | 16 | • | • | • | • | • | • | *Gordon Castle* |
| *a* Aberdeen | 46 | 55 | 25th | 33 | 28th | 47·4 | 36·3 | 42·1 | + 4·3 | 25 | 16 | 4 | 0·14 | - 0·37 | 1·8 | 0·0 | 24 | • | • | • | • | 39·8 | +0·5 | Nairn. |
| *a* Balmoral | 930 | 50 | 31st | 24 | 27th | 46·0 | 30·9 | 38·8 | + 4·8 | 11 | 44 | 5 | 1·09 | + 0·41 | • | • | • | 5 | 20 | • | • | • | • | Aberdeen. |
| *p* Crieff | 440 | 52 | 25th | 32 | 27th | 46·9 | 35·3 | 41·3 | + 4·1 | 14 | 28 | 7 | 1·71 | + 0·83 | 1·4 | • | 18 | • | • | • | • | • | • | Balmoral. |
| *a* Leith | 18 | 55 | 25, 30 | 37 | 27, 28 | 49·4 | 39·7 | 44·7 | + 5·5 | 29 | 6 | 7 | 0·70 | + 0·33 | • | • | • | • | • | • | • | • | • | Balruddery. |
| *p* West Linton | 800 | 51 | 25, 30 | 28 | 27, 28 | 46·1 | 31·1 | 38·9 | + 2·7 | 11 | 43 | 7 | 0·94 | — | *0·6* | — | *8* | 2 | 24 | • | • | • | • | |
| *p* Marchmont | 498 | 50 | 31st | 32 | 27th | 46·7 | 35·4 | 41·3 | + 4·8 | 13 | 28 | 5 | 0·39 | - 0·12 | 1·3 | - 0·3 | 17 | 3 | 27 | 37·6 | +2·1 | • | • | *West Linton* |
| *Edinburgh* | *441* | *53* | *25, 30* | *34* | *27, 28* | *48·7* | *37·6* | *43·4* | — | *28* | *12* | *6* | *0·68* | — | 1·7 | + 0·5 | 22 | 3 | 28 | • | • | • | • | Marchmont. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | Edinburgh. |
| *a* Poltalloch | 132 | 52 | 25th | 32 | 27th | 47·1 | 36·9 | 42·2 | + 3·2 | 23 | 14 | 7 | 2·34 | + 1·33 | • | • | • | • | • | • | • | • | • | |
| *p* Glasgow | 180 | 53 | 25th | 35 | 27th | 48·4 | 38·0 | 43·4 | + 4·9 | 27 | 11 | 7 | 1·22 | + 0·52 | 0·3 | - 0·6 | 4 | 1 | 28 | • | • | • | • | Glasgow. |
| *p* Rothesay | 73 | 55 | 25th | 32 | 27th | 49·3 | 38·3 | 44·0 | + 4·5 | 30 | 10 | 7 | 1·54 | + 0·59 | *0·3* | — | *4* | 1 | 29 | 39·7 | • | 42·2 | +0·3 | *Rothesay.* |
| *a* Kilmarnock | 90 | 53 | 30th | 30 | 27th | 48·1 | 37·1 | 42·8 | + 3·3 | 26 | 14 | 7 | 1·26 | — | *0·2* | — | *3* | • | • | • | • | • | • | *Kilmarnock.* |
| *a* Colmonell | 150 | 52 | 25, 30 | 38 | 29th | 48·3 | 41·1 | 44·8 | + 5·7 | 23 | 3 | 7 | 1·01 | + 0·04 | • | • | • | 0 | 34 | • | • | • | • | |
| *p* Dumfries | 160 | 50 | 31st | 35 | 27, 31 | 47·4 | 37·3 | 42·6 | + 4·2 | 24 | 13 | 6 | 0·57 | - 0·18 | *0·9* | — | *11* | 3 | 28 | 38·9 | • | 40·0 | • | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 50 | 31st | 32 | 28th | 47·3 | 36·9 | 42·3 | + 4·3 | 24 | 14 | 5 | 0·72 | - 0·28 | • | • | • | • | • | • | • | • | • | |
| *b.* I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 50 | 31st | 38 | 26, 27, 28 | 48·1 | 39·9 | 44·2 | + 3·5 | 24 | 6 | 6 | 0·62 | - 9·15 | 0·7 | - 1·1 | 9 | 0 | 31 | • | • | • | • | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 54 | 25, 31 | 34 | 25, 27, 28 | 48·9 | 36·4 | 42·9 | + 4·7 | 30 | 16 | 4 | 0·13 | - 0·38 | 2·0 | — | 25 | 3 | 28 | 38·8 | +3·1 | 40·1 | +1·0 | Cockle Park |
| *a* Shields | 96 | 56 | 31st | 36 | 27, 28 | 49·1 | 39·6 | 44·1 | + 5·5 | 29 | 10 | 4 | 0·08 | - 0·26 | • | • | • | 3 | 25 | • | • | • | • | |
| *p* Durham | 336 | 54 | 31st | 34 | 28th | 48·9 | 38·9 | 44·1 | + 6·9 | 28 | 9 | 5 | 0·27 | - 0·07 | 2·1 | + 0·5 | 26 | 1 | 29 | • | • | • | • | Durham. |
| *p* Rounton | 249 | 54 | 31st | 33 | 28th | 48·4 | 38·9 | 43·8 | + 6·8 | 26 | 9 | 3 | 0·23 | - 0·16 | • | • | • | 3 | 25 | 38·3 | • | • | • | Rounton. |
| *a West Witton* | *605* | *53* | *31st* | *34* | *27th* | *47·0* | *37·1* | *42·3* | — | *23* | *14* | *7* | *0·90* | — | • | • | • | 3 | 29 | 38·5 | • | 40·6 | • | *West Witton.* |
| *p* Scarborough | 100 | 54 | 31st | 37 | 27, 28 | 48·0 | 40·4 | 44·4 | + 5·9 | 24 | 4 | 2 | 0·06 | - 0·38 | 1·7 | — | 21 | • | • | • | • | 41·5† | • | Scarborough. |
| *p* York | 56 | 55 | 30, 31 | 35 | 25th | 51·0 | 39·3 | 45·4 | + 7·2 | 35 | 8 | 3 | 0·10 | - 0·27 | 0·9 | - 0·3 | 11 | • | • | 39·3 | +2·1 | 42·0 | +1·1 | York. |
| *a* Spurn Head | 26 | 51 | 30, 31 | 30 | 25th | 46·4 | 38·1 | 42·4 | + 3·8 | 19 | 11 | 1 | 0·01 | - 0·26 | *0·6* | — | *7* | 1 | 29 | 38·6 | +2·5 | 42·6 | +0·7 | *Hull.* |
| *a* Lincoln | 58 | 54 | 30, 31 | 29 | 25th | 49·1 | 37·6 | 43·6 | + 6·3 | 30 | 12 | 3 | 0·09 | - 0·27 | *1·4* | — | *17* | • | • | • | • | • | • | *Spurn Head.* |
| *a* Fulbeck | 180 | 53 | 30, 31 | 31 | 25th | 48·4 | 37·3 | 43·1 | + 5·5 | 27 | 13 | 4 | 0·10 | - 0·28 | • | • | • | • | • | 38·0 | +1·5 | 41·2 | +0·7 | Lincoln. |
| | | | | | | | | | | | | 1·6 | — | | 1·6 | — | 19 | 3 | 27 | 39·1 | +2·2 | 42·6 | +0·3 | Rauceby. |
| | | | | | | | | | | | | 1·7 | — | | — | — | 21 | • | • | • | • | • | • | Skegness. |
| | | | | | | | | | | | | — | — | — | *1·6* | — | *19* | 3 | 25 | 38·8 | +0·2 | 40·9 | −0·1 | *Lowestoft.* |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Cromer | 196 | 53 | 30th | 29 | 25th | 47·4 | 37·4 | 42·6 | + 5·7 | 24 | 13 | 3 | 0·04 | — | 1·2 | — | 15 | • | • | • | • | • | • | Cromer. |
| *p* Little Massingham | 280 | 52 | 30th | 24 | 25th | 45·6 | 36·3 | 41·1 | + 4·0 | 10 | 24 | 3 | 0·04 | - 0·41 | 0·9 | - 0·8 | 11 | 3 | 18 | • | • | • | • | Lit. Massingham. |
| *a* Yarmouth | 17 | 53 | 30th | 25 | 25th | 47·3 | 34·6 | 41·2 | + 3·8 | 15 | 31 | 1 | 0·01 | - 0·35 | 1·3 | — | 16 | • | • | 38·7 | +0·7 | 42·0 | +0·2 | Yarmouth. |
| *a* Norwich | 93 | 53 | 30th | 25 | 25th | 48·0 | 36·6 | 42·5 | + 5·3 | 26 | 15 | 2 | 0·04 | — | *1·1* | — | *13* | 3 | 23 | 38·2 | • | • | • | *Norwich.* |
| *p* Geldeston | 37 | 53 | 30, 31 | 26 | 25th | 46·6 | 35·9 | 41·5 | + 3·5 | 13 | 26 | 2 | 0·05 | - 0·29 | 1·5 | - 0·4 | 18 | • | • | • | • | • | • | Geldeston. |
| *p* Cambridge | 41 | 54 | 30th | 32 | 27th | 48·3 | 38·4 | 43·6 | + 5·9 | 26 | 10 | 3 | 0·06 | - 0·25 | 1·2 | - 0·6 | 14 | 3 | 23 | 37·9 | +1·2 | 41·8 | 0·0 | Cambridge. |
| *a Felixstowe* | *10* | *50* | *30th* | *30* | *25th* | *45·4* | *35·7* | *40·7* | + *2·4* | *10* | *25* | *3* | *0·04* | — | *1·3* | — | *16* | • | • | • | • | • | • | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 45 | 30th | 25 | 25th | 43·4 | 34·6 | 39·2 | + 1·0 | 4 | 28 | 2 | 0·04 | — | 0·9 | — | 11 | 3 | 25 | 37·9 | −0·1 | 42·4 | −1·1 | Clacton. |
| *a* Rothamsted | 424 | 51 | 30, 31 | 23 | 25th | 47·7 | 36·1 | 42·1 | + 4·7 | 25 | 17 | 5 | 0·17 | - 0·29 | 1·2 | - 0·5 | 14 | • | • | • | • | • | • | Rothamsted. |
| *a Shoeburyness* | *13* | *50* | *29th* | *28* | *25th* | *46·6* | *35·7* | *41·4* | + *2·9* | *13* | *27* | *3* | *0·04* | - *0·24* | *1·5* | — | *18* | 3 | 25 | 38·4 | +0·6 | • | • | *Southend.* |
| *p* Tottenham | 51 | 53 | 29th | 27 | 25th | 47·9 | 39·6 | 43·9 | + 5·1 | 23 | 7 | 0 | 0·00 | — | 0·6 | — | 7 | 2 | 21 | • | • | 43·5 | +0·5 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | — | — | — | *1·0* | — | *12* | 0 | 31 | 38·5 | +1·8 | 41·5 | +0·7 | *Huddersfield.* |
| *a* Harrogate | 476 | 53 | 31st | 34 | 27, 28 | 47·1 | 36·6 | 42·1 | + 5·3 | 23 | 15 | 6 | 0·35 | - 0·15 | 1·8 | — | 22 | 1 | 30 | 39·3 | +2·1 | 40·3 | +0·7 | Harrogate. |
| *a* Bawtry | 65 | 54 | 30, 31 | 33 | 25th | 48·1 | 38·6 | 43·5 | + 5·8 | 25 | 10 | 3 | 0·04 | - 0·33 | 1·3 | - 0·1 | 16 | 2 | 25 | 39·1 | • | 41·0 | • | Worksop. |
| *p Buxton* | *987* | *49* | *30, 31* | *35* | *27th* | *44·6* | *38·1* | *41·5* | + *6·1* | *7* | *17* | *6* | *0·88* | - *0·16* | *0·8* | — | *10* | 1 | 29 | 37·7 | +1·5 | 41·8 | +0·1 | *Buxton.* |
| *a* Nottingham | 82 | 54 | 30, 31 | 26 | 25th | 49·0 | 37·1 | 43·3 | + 5·5 | 30 | 14 | 4 | 0·22 | - 0·18 | 0·8 | — | 10 | 3 | 28 | 39·0 | +3·6 | 39·3 | 0·0 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 52 | 30th | 33 | 27th | 46·7 | 39·3 | 43·2 | + 5·5 | 20 | 8 | 3 | 0·17 | - 0·26 | 1·0 | — | 12 | 1 | 28 | 40·6 | +2·1 | 44·0 | +0·2 | Birmingham. |
| *a* Raunds | 204 | 54 | 30th | 24 | 25th | 48·7 | 36·0 | 42·6 | + 5·4 | 29 | 17 | 3 | 0·04 | — | *1·7* | — | *20* | 3 | 23 | 39·1 | • | 44·5 | • | *Raunds.* |
| *p* Oxford | 208 | 54 | 30th | 32 | 27th | 48·3 | 40·3 | 44·5 | + 5·6 | 25 | 5 | 4 | 0·12 | - 0·27 | 1·0 | - 0·7 | 12 | 3 | 25 | • | • | • | • | Oxford. |
| | | | | | | | | | | | | — | — | — | 1·6 | — | 19 | 1 | 30 | 39·0 | +2·7 | 42·0 | +0·9 | Sheffield. |
| *a* Cheadle | 646 | 50 | 30, 31 | 30 | 25th | 46·0 | 35·7 | 41·1 | + 4·2 | 11 | 27 | 5 | 0·87 | + 0·33 | • | • | • | 5 | 28 | • | • | • | • | Cheadle. |
| *p* Shrewsbury | 191 | 55 | 31st | 33 | 27th | 50·1 | 41·8 | 46·0 | + 7·5 | 30 | 1 | 6 | 0·28 | — | • | • | • | 0 | 33 | • | • | • | • | Shrewsbury. |
| *a* Hereford§ | 291 | 53 | 30th | 31 | 25, 28 | 49·1 | 37·3 | 43·4 | + 5·0 | 30 | 13 | 3 | 0·38 | - 0·12 | *0·9* | — | *11* | 2 | §27 | 38·4 | • | 40·5 | • | *Malvern.*§ |
| *a* Cirencester | 446 | 56 | 30th | 27 | 27th | 48·6 | 35·2 | 42·2 | + 4·7 | 30 | 19 | 5 | 0·30 | - 0·20 | 0·5 | - 1·2 | 6 | 3 | 27 | 39·0 | • | 42·7 | • | Cirencester. |
| *a* Bath | 66 | 54 | 30, 31 | 23 | 25th | 50·6 | 38·3 | 44·7 | + 5·2 | 34 | 10 | 4 | 0·21 | - 0·31 | 0·4 | — | 5 | • | • | 39·0 | −0·2 | 42·2 | −1·8 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | — | — | — | • | • | • | 4 | 26 | 36·0 | −2·0 | 45·3 | +2·0 | |
| *p* Kew | 18 | 51 | 29th | 31 | 25th | 46·9 | 39·3 | 43·3 | + 4·3 | 20 | 8 | 3 | 0·10 | - 0·27 | 0·7 | - 0·8 | 8 | 3 | 16 | 37·3 | +0·2 | 42·4 | −0·6 | Canterbury. |
| *a* Marlborough | 424 | 51 | 30, 31 | 27 | 25, 27 | 47·4 | 35·9 | 41·9 | + 4·4 | 15 | 27 | 3 | 0·45 | - 0·10 | 1·0 | - 0·5 | 12 | 3 | 18 | • | • | 43·5 | • | Kew. |
| *a* Margate | 35 | 51 | 29th | 27 | 26th | 45·9 | 36·1 | 41·2 | + 2·1 | 11 | 25 | 2 | 0·12 | - 0·24 | 0·9 | - 0·8 | 11 | 1 | 27 | 40·1 | +1·9 | 44·3 | +2·8 | Marlborough. |
| *a* Wisley, Surrey | 150 | 52 | 29th | 18 | 25th | 47·4 | 35·9 | 41·9 | + 2·5 | 15 | 27 | 4 | 0·11 | — | 0·9 | — | 11 | 3 | 14 | 37·4 | +0·1 | 40·9 | −1·3 | Margate. |
| | | | | | | | | | | | | — | — | — | 0·8 | — | 9 | 2 | 26 | 37·4 | −0·6 | 42·5 | −0·9 | Wisley. |
| *p* Salisbury (Wilton) | 180 | 52 | 29th | 20 | 25th | 48·0 | 36·3 | 42·4 | + 4·6 | 27 | 16 | 6 | 1·73 | + 1·13 | • | • | • | 2 | 20 | 38·1 | • | • | • | Worthing. |
| *a* Tunbridge Wells | 418 | | | | | | | | | | | — | — | — | • | • | • | • | • | • | • | • | • | Salisbury. |
| *a* Dungeness | 21 | 46 | 31st | 29 | 25th | 44·1 | 36·4 | 40·4 | + 1·2 | 6 | 22 | 2 | 0·17 | - 0·23 | 1·2 | — | 14 | • | • | • | • | • | • | Tunbridge Wells. |
| *p* Hastings | 178 | 47 | 28th | 33 | 27th | 44·3 | 38·3 | 41·4 | + 1·8 | 6 | 15 | 6 | 0·40 | - 0·10 | *0·8* | - *1·3* | *9* | 2 | 26 | 36·3 | • | 41·6 | • | Littlestone. |
| *p* Southampton | 65 | 50 | 28, 29, 31 | 29 | 27th | 46·9 | 39·4 | 43·3 | + 3·1 | 20 | 7 | 5 | 0·43 | - 0·12 | 0·4 | - 1·4 | 5 | 2 | 18 | • | • | • | • | *Hastings.* |
| *a* Ventnor | 80 | 50 | 28th | 34 | 25th | 47·1 | 39·4 | 43·4 | + 1·9 | 21 | 7 | 5 | 0·18 | - 0·37 | 0·9 | - 1·1 | 11 | • | • | • | • | • | • | Southampton. |
| | | | | | | | | | | | | — | — | — | *0·9* | — | *11* | 3 | 22 | 40·1 | +0·9 | 43·4 | −0·9 | Ventnor. |
| | | | | | | | | | | | | — | — | — | 1·0 | - 0·9 | 12 | • | • | 38·8 | • | 43·4 | • | *Portsmouth.* |
| LONDON. | | | | | | | | | | | | — | — | — | *0·4* | — | *5* | • | • | 38·7 | • | 40·5 | • | Eastbourne. |
| *a Westminster* | *27* | *52* | *29, 31* | *27* | *25th* | *48·4* | *38·0* | *43·4* | + *4·3* | *27* | *11* | *4* | *0·08* | - *0·29* | *0·9* | - *1·0* | *11* | 1 | 30 | • | • | 40·2 | • | *Bournemouth.* |
| *a Greenwich* | *155* | *53* | *29th* | *27* | *25th* | *48·0* | *37·6* | *43·0* | + *4·3* | *25* | *13* | *5* | *0·07* | - *0·28* | *0·6* | - *0·1* | *7* | 2 | 27 | • | • | • | • | *Brighton.* |
| *a Hampstead* | *450* | *50* | *29th* | *24* | *25th* | *45·9* | *36·1* | *41·2* | — | *11* | *25* | *4* | *0·12* | — | *0·9* | - *0·6* | *11* | 3 | 22 | • | • | • | • | *Westminster.* |
| *a Camden Square* | *110* | *52* | *29th* | *25* | *25th* | *48·0* | *37·3* | *42·9* | — | *26* | *13* | *5* | *0·13* | — | *0·6* | — | *7* | 4 | 9 | • | • | • | • | *Greenwich.* |
| | | | | | | | | | | | | — | — | — | *0·5* | — | *6* | 2 | 26 | • | • | • | • | *Hampstead.* |
| **7.** *a* ENGLAND, N.W. | | | | | | | | | | | | — | — | — | *0·6* | — | *6* | 0 | 32 | 38·7 | +2·5 | 41·1 | +0·1 | *Camden Square.* |
| *p* Aspatria | 250 | 50 | 31st | 34 | 27th | 46·7 | 38·1 | 42·6 | + 4·7 | 21 | 11 | 7 | 0·91 | + 0·30 | 1·1 | — | 14 | • | • | • | • | • | • | *Burnley.* |
| *p* Newton Rigg | 559 | 54 | 25th | 32 | 27th | 48·0 | 37·6 | 43·0 | + 6·2 | 25 | 12 | 7 | 1·38 | + 0·64 | 0·9 | — | 11 | 1 | 30 | 40·4 | • | 43·0 | • | Hoylake. |
| *p* Stonyhurst | 375 | 53 | 31st | 36 | 28th | 47·9 | 40·3 | 44·3 | + 6·4 | 23 | 5 | 6 | 1·04 | + 0·13 | 1·0 | - 0·5 | 13 | 4 | 22 | 39·3 | +1·9 | 40·7 | +0·5 | Aspatria. |
| *p* Blackpool | 66 | 52 | 25, 31 | 39 | 27, 28 | 47·9 | 41·4 | 44·8 | + 6·1 | 22 | 2 | 6 | 0·38 | - 0·22 | 0·7 | - 0·6 | 9 | 2 | 28 | • | • | • | • | Newton Rigg. |
| *p* Manchester (Whit. Pk.) | 125 | 54 | 30, 31 | 36 | 28th | 49·3 | 41·6 | 45·6 | + 6·4 | 27 | 1 | 6 | 0·38 | - 0·22 | 1·0 | - 0·4 | 12 | 0 | 31 | 41·1 | • | 44·1 | • | Stonyhurst. |
| *a* Liverpool (Bidston) | 188 | 55 | 31st | 34 | 25th | 49·4 | 39·7 | 44·7 | + 4·9 | 29 | 6 | 5 | 0·51 | + 0·01 | 1·0 | - 0·4 | 12 | 0 | 31 | 41·1 | • | 44·1 | • | Blackpool. |
| *a Hawarden Bridge* | 22 | *57* | *31st* | *37* | *25th* | *51·5* | *41·5* | *46·7* | + *6·5* | *35* | *1* | 5 | 0·28 | - 0·19 | *0·5* | - *0·2* | *6* | • | • | • | • | • | • | *Whit. Park.* |
| | | | | | | | | | | | | 5 | *0·55* | + *0·18* | *1·4* | — | *17* | • | • | • | • | • | • | *Liverpool.* |
| *b*, NORTH WALES. | | | | | | | | | | | | — | — | — | *1·1* | - *0·4* | *14* | *1* | *28* | *39·7* | *+3·8* | *40·5* | *+0·6* | *Southport.* |
| *p* Llandudno | 71 | 54 | 25th | 40 | 27, 28 | 49·4 | 43·4 | 46·5 | + 5·1 | 32 | 0 | 6 | 0·81 | + 0·26 | *0·4* | — | *5* | 0 | 33 | 39·8 | +3·0 | 42·9 | +0·8 | *Manchester (City).* |
| *a* Holyhead | 57 | 51 | 31st | 41 | 27th | 48·7 | 42·9 | 45·9 | + 4·3 | 27 | 0 | 4 | 0·61 | - 0·03 | 1·2 | — | 15 | • | • | • | • | • | • | Llandudno. |
| *p* Bettws-y-Coed | 101 | | | | | | | | | | | — | — | — | *1·2* | — | *15* | • | • | • | • | • | • | *Holyhead.* |
| | | | | | | | | | | | | — | — | — | • | • | • | • | • | • | • | • | • | Bettws-y-Coed. |
| | | | | | | | | | | | | | | | 1·0 | — | 12 | • | • | • | • | • | • | Aberdovey. |

* For notes see also opposite page.

† At 3 feet.

‖ Hoar frost.

§ The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | • | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES. | | | | | | | | | | | | | | | 1·1 | — | 13 | | | | | | | Aberystwyth. |
| *a* Llangammarch Wells | 550 | 52 | 31st | 31 | 28th | 47·9 | 37·1 | 42·7 | + 5·2 | 25 | 14 | 7 | 2·35 | — | 0·7 | — | 8 | 3 | 26 | 40·4 | +1·8 | 43·9 | 0·0 | Llangammarch |
| *a* Pembroke .. .. | 149 | 51 | 31st | 42 | 27, 28 | 48·9 | 44·1 | 46·6 | + 4·1 | 32 | 0 | 6 | 0·93 | + 0·21 | 0·8 | - 1·1 | 10 | • | • | • | • | • | • | Pembroke.[Wells |
| *p* Cardiff .. .. .. | 203 | 53 | 31st | 34 | 27th | 49·3 | 40·6 | 45·1 | + 5·4 | 28 | 4 | 6 | 0·73 | - 0·05 | *0·6* | — | *7* | 1 | 26 | 39·3 | +1·4 | 42·3 | -0·4 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 54 | 31st | 27 | 25th | 49·9 | 39·3 | 44·8 | + 5·1 | 31 | 8 | 5 | 3·71 | + 0·11 | *0·5* | — | *6* | 2 | 28 | • | • | • | • | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 48 | 29 31 | 31 | 25, 27 | 46·0 | 37·1 | 41·7 | + 4·0 | 11 | 21 | 6 | 0·53 | - 0·05 | • | • | • | • | • | 37·9 | • | 41·3 | • | Shaftesbury. |
| *a* Arlington .. .. | 613 | 52 | 31st | 33 | 25, 27 | 48·1 | 38·4 | 43·4 | + 4·2 | 25 | 10 | 7 | 1·20 | + 0·20 | • | • | • | • | • | • | • | • | • | Arlington. |
| *a Newquay* .. .. | *190* | *54* | *31st* | *38* | *25th* | *50·4* | *44·0* | *47·3* | + *3·8* | *37* | *0* | *6* | *0·71* | + *0·05* | 0·4 | - 1·5 | 5 | 0 | 35 | 43·3 | • | 44·6 | • | Newquay. |
| *a* Cullompton .. .. | 202 | 53 | 30, 31 | 25 | 25th | 50·0 | 38·6 | 44·5 | + 4·6 | 32 | 10 | 6 | 0·39 | - 0·31 | 0·4 | - 1·2 | 5 | 2 | 23 | 41·3 | • | • | • | Cullompton. |
| *a* Portland .. .. | 19 | 49 | 31st | 39 | 27, 28 | 47·1 | 41·9 | 44·6 | + 2·9 | 19 | 0 | 6 | 0·41 | — | *0·2* | — | *2* | • | • | • | • | • | • | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 51 | 29, 31 | 37 | 27th | 49·6 | 43·4 | 46·6 | + 4·4 | 32 | 0 | 5 | 0·48 | - 0·25 | 0·4 | - 1·4 | 5 | 0 | 31 | 42·8 | +2·2 | • | • | Plymouth. |
| *a* Falmouth .. .. | 167 | 53 | 31st | 37 | 27th | 50·4 | 42·9 | 46·8 | + 3·5 | 34 | 0 | 6 | 0·90 | - 0·01 | 0·6 | - 1·4 | 7 | 1 | 30 | 44·4 | • | 46·0 | • | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. { *a* Malin Head .. .. | 208 | 52 | 26th | 37 | 26th | 47·6 | 40·0 | 44·0 | + 3·1 | 22 | 6 | 7 | 1·18 | + 0·60 | • | • | • | • | • | • | • | • | • | |
| *a* Blacksod Point .. | 37 | 53 | 25, 30 | 38 | 30th | 51·0 | 41·9 | 46·6 | + 4·1 | 33 | 0 | 7 | 1·39 | + 0·33 | • | • | • | • | • | • | • | • | • | |
| *p* Markree Castle .. | 122 | 57 | 25th | 32 | 26th | 50·7 | 38·0 | 43·6 | + 4·1 | 36 | 17 | 7 | 1·14 | + 0·33 | 0·7 | - 0·8 | 9 | 4 | 26 | 41·9 | • | 44·0 | • | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 55 | 31st | 34 | 27th | 51·3 | 40·7 | 46·2 | + 6·4 | 35 | 4 | 6 | 0·70 | + 0·10 | *1·0* | - *0·8* | *12* | • | • | • | • | • | • | *Birr Castle.* |
| *b*, East .. { *p* Armagh .. .. | 196 | 55 | 25th | 34 | 27th | 49·4 | 37·6 | 43·7 | + 4·0 | 30 | 12 | 7 | 0·46 | - 0·10 | 0·5 | - 1·1 | 6 | 0 | 31 | 41·3 | +1·6 | 43·0 | -0·1 | Armagh. |
| *a* Donaghadee .. .. | 40 | 54 | 25th | 35 | 27, 29 | 48·7 | 38·0 | 43·6 | + 3·1 | 28 | 11 | 7 | 0·50 | - 0·09 | • | • | • | • | • | • | • | • | • | |
| | | | | | | | | | | | | — | — | — | • | • | • | 0 | 31 | 43·1 | +3·4 | 43·9 | +0·5 | Trinity Coll. |
| **10.** IRELAND, S. | | | | | | | | | | | | — | — | — | 0·9 | - 1·1 | 11 | 3 | 28 | • | • | • | • | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 56 | 31st | 35 | 27th | 51·6 | 40·7 | 46·4 | + 4·7 | 36 | 4 | 6 | 0·39 | - 0·11 | • | • | • | 0 | 34 | • | • | • | • | Dublin City. |
| *a*, East .. { *a* Kilkenny .. .. | 195 | 55 | 31st | 34 | 26, 27 | 50·4 | 39·9 | 45·4 | + 5·2 | 33 | 6 | 7 | 0·65 | - 0·09 | • | • | • | • | • | • | • | • | • | |
| *a* Waterford .. | 100 | 53 | 31st | 34 | 28th | 49·6 | 40·1 | 45·0 | + 3·8 | 29 | 5 | 7 | 0·81 | - 0·07 | • | • | • | • | • | • | • | • | • | |
| *a Carrick-on-Suir* .. | *541* | *53* | *31st* | *35* | *26, 27* | *49·0* | *39·4* | *44·4* | -- | *28* | *7* | *7* | *0·88* | — | *1·0* | — | *12* | 0 | 32 | • | • | • | • | *Carrick-on-Suir.* |
| *a* Birr Castle .. .. | 175 | 55 | 31st | 34 | 27th | 51·3 | 40·7 | 46·2 | + 6·4 | 35 | 4 | 6 | 0·70 | + 0·10 | 1·0 | - 0·8 | 12 | • | • | • | • | • | • | Birr Castle. |
| *a* Foynes† .. .. | 50 | 55 | 25th | 36 | 26th | 50·9 | 41·6 | 46·4 | + 4·3 | 32 | 1 | 7 | 1·46 | + 0·66 | • | • | • | • | • | • | • | • | • | |
| *b*, West .. { *a* Cahir .. .. | 199 | 53 | 31st | 33 | 28th | 49·9 | 39·4 | 44·9 | + 3·7 | 31 | 7 | 7 | 0·78 | — | • | • | • | • | • | • | • | • | • | |
| *a* Killarney .. .. | 174 | 54 | 31st | 37 | 26th | 51·1 | 43·1 | 47·3 | + 4·9 | 37 | 0 | 7 | 3·28 | + 1·91 | • | • | • | • | • | • | • | • | • | |
| *a* Valencia .. .. | 30 | 53 | 25, 30, 31 | 41 | 26, 27 | 51·3 | 44·4 | 48·0 | + 3·6 | 42 | 0 | 7 | 1·48 | + 0·24 | 1·1 | - 0·7 | 13 | • | • | • | • | • | • | Valencia. |
| *a* Roche's Point .. | 32 | 52 | 31st | 38 | 27th | 49·3 | 42·4 | 46·0 | + 2·1 | 28 | 0 | 7 | 1·01 | + 0·01 | 0·9 | • | 11 | • | • | • | • | • | • | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 52 | 31st | 42 | 27th | 50·6 | 46·0 | 48·4 | + 2·9 | 45 | 0 | 7 | 0·45 | - 0·23 | 0·4 | - 1·7 | 5 | • | • | • | • | • | • | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 51 | 30th | 27 | 25th | 48·4 | 38·4 | 43·6 | + 1·0 | 26 | 10 | 5 | 0·39 | - 0·27 | 1·6 | - 0·8 | 18 | • | • | • | • | • | • | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 51 | 28, 30 | 29 | 25th | 49·3 | 40·4 | 45·0 | + 1·7 | 28 | 4 | 5 | 0·35 | - 0·35 | 1·3 | - 0·6 | 15 | 0 | 31 | 41·6 | -0·5 | 44·4 | -1·5 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 0·8 hrs. 9 %; Ramsgate, 0·7 hrs. 8 %; Rhyl, 1·6 hrs. 19 %; Salcombe, 0·3 hrs. 3 %; Tenby, 0·9 hrs. (-1·2) 11 %; Torquay, 0·2 hrs. (-1·9) 2 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

† Instruments moved to new site.

## III.—TEMPERATURE of the SEA.

Week ending on morning of Saturday, Jan. 31st.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 45 | 44 | 44·1 | +1·2 |
| Kirkwall .. .. | 43 | 41 | 42·6 | +2·0 |
| Wick .. .. .. | 44 | 43 | 43·6 | -0·6 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 43 | 39 | 40·9 | +1·5 |
| Pennan Bay .. .. | 42 | 40 | 41·2 | +1·4 |
| Aberdeen, Cove Bay | 42 | 42 | 42·0 | +2·8 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 43 | 43 | 43·0 | -1·5 |
| Ballantrae .. .. | 44 | 42 | 43·1 | +1·0 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 41 | 39 | 40·3 | +0·7 |
| Scarborough .. .. | 42 | 37 | 39·7 | -0·5 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 40 | 38 | 39·2 | -0·5 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 40 | 35 | 37·6 | -2·7 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 47 | 45 | 45·8 | +0·5 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 47 | 45 | 45·8 | +0·2 |
| Scilly .. .. .. | 46 | 46 | 46·0 | — |
| Plymouth‡ .. .. | 47 | 45 | 46·0 | -0·7 |
| Salcombe .. .. | 47 | 41 | 45·1 | -0·9 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 44 | 42 | 42·9 | -1·8 |
| Teelin .. .. .. | 46 | 43 | 44·3 | +1·0 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 45 | 44 | 44·9 | +0·9 |
| Seafield .. .. | 50 | 45 | 47·8 | +2·6 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS.

Week ending at midnight (24h.) on Saturday, Jan. 31st.

| DISTRICT AND STATION | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Aberdeen .. .. | 105 | — | — | 25, 26, 28, 31 | 18 | 50 | 100 | — 14 | 25th 20h. | 27 25th 19.35 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | 25, 30, 31 | 20 | 25, 28-31 | 36 | 57 | 55 | S. by W. 22 | 25th 20h. | 32 25th 22.20 |
| Paisley .. .. | 80 | — | — | 25, 31 | 21§ | 53§ | 84§ | SSW. 17 | 31st 8h. | 31 31st 9.15 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | 25, 31 | 7 | 46 | 115 | SSW. 13 | 25th 20h. | 27 25th 20.10 |
| South Shields .. | 61 | — | — | 25, 26, 30, 31 | 29 | 71 | 68 | SW. 16·1 | 25th 20h. | 29·1 25th 20.10 |
| Spurn Head .. | 40 | — | — | 25, 26, 30, 31 | 27§ | 94§ | 43§ | SW. 13 | 31st 14h. | 19 31st 13.35 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 28, 30, 31 | 33§ | 45§ | 57§ | SSW. 14 | 31st 12h. | 19 31st 14.30 |
| Shoeburyness .. .. | 90 | — | — | 25, 30, 31 | 24 | 88 | 56 | SW. by S. 14 | 31st 13h. | 18 31st 12.45 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | — | — | — | — | 35§ | 109§ | — 8 | 25th 24h. | 16 25th 24.15 |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | 25th | 1§ | 25, 26, 30, 31 | 49§ | 26§ | —§ | — 18 | 25th 23h. | 21 25th 23.30 |
| Warlingham .. | 33 | — | — | 25, 31 | 14 | 86 | 68 | — 13 | 25th 20h. | 22 25th 19.10 |
| Brighton .. .. | 53 | — | — | — | — | 86 | 82 | — 10 | 31st 22h. | 17 31st 21.40 |
| Kew .. .. | 40 | — | — | — | — | 66§ | 64§ | — 9 | 31st 19h. | 17 31st 18.35 |
| South Kensington | 92 | — | — | — | — | — | 168 | SSW. 5 | 25th 23h. | 10 31st 16.20 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Southport .. | 62 | 25th | 1 | 25, 26, 28, 30, 31 | 58 | 89 | 20 | SW. 18 | 25th 23h. | 26 25th 23.20 |
| Holyhead .. .. | 40 | — | — | 25, 26, 27, 29, 30, 31 | 71 | 78 | 19 | SSW. 17 | 31st 11h. | 26 25th 20.10 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle | 65 | 25, 31 | 23 | 25, 28 to 31 | 64 | 57 | 24 | SW. 21 | 31st 11h. | 26 31st 11.20 |
| Plymouth .. | 86 | — | — | 25, 26, 29-31 | 24 | 71 | 73 | — 13 | 31st 14h. | 17 30th 0.55 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | 25, 31 | 5§ | 25, 26, 28, 30, 31 | 52§ | 69§ | 25§ | — 20 | 25th 17h. | 29 25th 15.25 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — — | — — — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly .. .. | 19 | — | — | 25, 27, 29, 31 | 42§ | 103§ | 13§ | NW. 13 | 27th 17h. | 20 25th 15.15 |

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

**FOURTH WEEK**—January 25th to January 31st, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of: Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week ‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| **0.** SCOTLAND, NORTH ... | 54 | 31 | 46·1 | 36·2 | 41·3 | + 2·4 | 11 | + 3 | 24 | − 8 | 7 | + 1 | 2·92 | +1·29 | 0·6 | −0·3 | 8 | 1000 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 55 | 24 | 47·3 | 35·0 | 41·4 | + 2·8 | 15 | + 5 | 30 | − 6 | 6 | + 1 | 0·81 | +0·20 | 1·5 | −0·2 | 20 | 1004 |
| **2.** ENGLAND, N.E. ... ... | 56 | 29 | 48·7 | 38·4 | 43·8 | + 4·4 | 28 | + 18 | 10 | −20 | 3 | 0 | 0·12 | −0·22 | 1·7 | 0·0 | 21 | 1012 |
| **3.** ENGLAND, EAST ... | 54 | 23 | 46·9 | 36·6 | 42·0 | + 3·1 | 14 | + 4 | 15 | −19 | 2 | − 2 | 0·05 | −0·33 | 1·1 | −1·0 | 13 | 1018 |
| **4.** MIDLAND COUNTIES ... | 56 | 23 | 48·4 | 37·8 | 43·3 | + 4·2 | 27 | + 15 | 12 | −21 | 4 | 0 | 0·27 | −0·23 | 1·1 | −0·6 | 13 | 1017 |
| **5.** ENGLAND, S.E. ... ... | 52 | 18 | 46·4 | 37·4 | 42·1 | + 1·8 | 20 | + 7 | 13 | −12 | 4 | + 1 | 0·41 | −0·10 | 0·9 | −0·9 | 10 | 1020 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 55 | 30 | 48·0 | 38·2 | 43·3 | + 2·6 | 25 | + 12 | 11 | −12 | 7 | + 1 | 1·16 | +0·04 | 0·5 | −0·8 | 6 | 1008 |
| **7.** ENGLAND, N.W. ... ... | 55 | 32 | 48·4 | 40·6 | 44·7 | + 4·4 | 25 | + 14 | 4 | −20 | 6 | + 2 | 0·74 | −0·01 | 1·0 | −0·4 | 13 | 1014 |
| **8.** ENGLAND, S.W. ... ... | 54 | 25 | 48·7 | 40·3 | 44·7 | + 2·8 | 26 | + 8 | 5 | −13 | 6 | + 1 | 0·86 | +0·01 | 0·6 | −1·1 | 7 | 1019 |
| **9.** IRELAND, NORTH ... | 57 | 32 | 49·8 | 39·0 | 44·6 | + 3·5 | 31 | + 16 | 8 | −13 | 7 | + 2 | 0·90 | +0·09 | 0·6 | −0·9 | 7 | 1007 |
| **10.** IRELAND, SOUTH ... | 56 | 33 | 50·6 | 41·4 | 46·2 | + 3·3 | 32 | + 10 | 2 | −13 | 7 | + 2 | 1·17 | +0·33 | 1·0 | −0·8 | 12 | 1013 |
| **11.** ENGLISH CHANNEL ... | 53 | 27 | 49·4 | 41·6 | 45·7 | + 1·0 | 28 | + 2 | 1 | − 5 | 6 | + 1 | 0·40 | −0·25 | 1·1 | −1·1 | 13 | 1021 |

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 9 Weeks, November 30th, 1913, to January 31st, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 57 | 14 | * | * | * | * | 68 | + 1 | 251 | −45 | 44 | − 3 | 12·99 | +1·29 | 0·6 | −0·1 | 9 | |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 59 | 5 | * | * | * | * | 62 | − 1 | 319 | −41 | 33 | − 4 | 4·90 | −0·67 | 1·1 | −0·1 | 16 | |
| **2.** ENGLAND, N.E. ... ... | 56 | 9 | * | * | * | * | 99 | + 27 | 242 | −54 | 28 | − 4 | 2·67 | −1·39 | 1·2 | −0·1 | 16 | |
| **3.** ENGLAND, EAST ... | 57 | 19 | * | * | * | * | 101 | + 21 | 245 | −94 | 27 | − 8 | 2·23 | −1·54 | 1·3 | −0·3 | 17 | |
| **4.** MIDLAND COUNTIES ... | 58 | 15 | * | * | * | * | 117 | + 26 | 274 | −67 | 26 | − 8 | 2·32 | −2·30 | 1·1 | −0·2 | 13 | |
| **5.** ENGLAND, S.E. ... ... | 58 | 10 | * | * | * | * | 138 | + 16 | 239 | −11 | 24 | −10 | 2·67 | −2·22 | 1·4 | −0·2 | 18 | |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 57 | 18 | * | * | * | * | 93 | − 3 | 217 | −17 | 39 | − 4 | 8·20 | −1·98 | 0·9 | −0·2 | 12 | |
| **7.** ENGLAND, N.W. ... | 57 | 16 | * | * | * | * | 121 | + 23 | 170 | −68 | 31 | − 6 | 5·21 | −1·21 | 1·0 | −0·2 | 13 | |
| **8.** ENGLAND, S.W. ... ... | 56 | 11 | * | * | * | * | 157 | − 6 | 189 | +12 | 33 | − 7 | 5·17 | −3·13 | 1·3 | −0·3 | 16 | |
| **9.** IRELAND, NORTH ... | 57 | 17 | * | * | * | * | 141 | + 21 | 144 | −61 | 37 | − 7 | 5·90 | −1·46 | 0·8 | −0·5 | 11 | |
| **10.** IRELAND, SOUTH ... | 57 | 17 | * | * | * | * | 165 | − 28 | 133 | −21 | 37 | − 5 | 5·14 | −3·68 | 1·1 | −0·5 | 14 | |
| **11.** ENGLISH CHANNEL ... | 56 | 25 | * | * | * | * | 219 | − 37 | 105 | +46 | 35 | − 9 | 5·12 | −1·94 | 0·8 | −1·2 | 19 | |

THE YEAR.—Aggregates, &c., for the Period of 4 Weeks, January 4th, 1914, to January 31st, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 54 | 16 | * | * | * | * | 16 | − 11 | 143 | + 6 | 17 | − 4 | 5·40 | +0·09 | 0·9 | +0·1 | 12 | 1013 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 55 | 15 | * | * | * | * | 17 | − 11 | 164 | + 4 | 16 | 0 | 2·31 | −0·02 | 1·0 | −0·3 | 13 | 1015 |
| **2.** ENGLAND, N.E. ... ... | 56 | 24 | * | * | * | * | 36 | + 5 | 124 | − 10 | 17 | + 3 | 1·53 | −0·09 | 1·0 | −0·3 | 13 | 1018 |
| **3.** ENGLAND, EAST ... | 55 | 19 | * | * | * | * | 26 | − 7 | 133 | − 21 | 13 | − 2 | 1·45 | −0·13 | 1·1 | −0·5 | 14 | 1020 |
| **4.** MIDLAND COUNTIES ... | 56 | 15 | * | * | * | * | 42 | + 2 | 153 | + 1 | 12 | − 3 | 1·00 | −0·95 | 1·0 | −0·4 | 13 | 1020 |
| **5.** ENGLAND, S.E. ... ... | 55 | 10 | * | * | * | * | 45 | − 2 | 145 | + 28 | 11 | − 3 | 0·97 | −1·07 | 1·3 | −0·3 | 16 | 1020 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 55 | 18 | * | * | * | * | 36 | − 4 | 123 | + 16 | 16 | − 3 | 3·61 | −0·64 | 0·6 | −0·5 | 8 | 1017 |
| **7.** ENGLAND, N.W. ... ... | 55 | 22 | * | * | * | * | 45 | + 6 | 107 | − 2 | 14 | − 2 | 2·35 | −0·38 | 1·0 | −0·2 | 13 | 1019 |
| **8.** ENGLAND, S.W. ... ... | 55 | 19 | * | * | * | * | 51 | − 16 | 116 | + 32 | 14 | − 3 | 1·88 | −1·44 | 1·1 | −0·5 | 14 | 1020 |
| **9.** IRELAND, NORTH ... | 57 | 25 | * | * | * | * | 55 | + 2 | 76 | − 17 | 15 | − 4 | 1·96 | −1·16 | 0·7 | −0·6 | 9 | 1016 |
| **10.** IRELAND, SOUTH ... | 56 | 24 | * | * | * | * | 67 | − 15 | 62 | − 7 | 17 | − 1 | 2·40 | −1·25 | 1·2 | −0·4 | 15 | 1017 |
| **11.** ENGLISH CHANNEL ... | 53 | 25 | * | * | * | * | 64 | − 37 | 59 | + 28 | 15 | − 4 | 1·48 | −1·28 | 1·8 | −0·2 | 21 | 1020 |

M.O., February 3, 1914.

## NOTES ON TABLE V.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb. = 29·531 mercury-inches.)

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.: or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH: or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 5. FIFTH WEEK, SUNDAY, FEBRUARY 1ST, TO SATURDAY, FEBRUARY 7TH, 1914. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

**Barometer, Wind and Weather.** Barometric pressure was highest over central and southern Europe, and lowest in depressions moving in a general northerly or north-easterly direction over the Icelandic region or on the Atlantic, to the westward of these Islands. Some of the systems extended over our western and northern districts, where strong winds from South and South-West were common. Gales were reported on the 1st and 2nd on many parts of the western and northern coasts, and on the 7th in the west and south; while during the intervening days they occurred at some exposed spots on the extreme north-west coast. More than an inch of rain fell within 24 hours at several places in the west and north-west. At Fort William 2·69 in. fell on the 1st, 1·07 in. on the 2nd, and 1·25 in. on the 5th. At Valencia on the 4th there was 1·72 in., at Blacksod Point on the following day 1·32 in. On the 7th about 1·0 in. occurred at Poltalloch, Colmonell, Torquay and Salisbury.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Very unusual | Very unusual | Very unusual | Very unusual | Very unusual | Unusual | Very unusual | Very unusual | Very unusual | Very unusual | Very unusual | Unusual |
| | Rainfall ... | Heavy | Moderate | Light | Light | Light | Moderate | Moderate | Light | Moderate | Very heavy | Heavy | Light |
| | Sunshine ... | Moderate | Scanty | Moderate | Abundant | Abundant | Very abundant | Very scanty | Moderate | Abundant | Scanty | Scanty | Abundant |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 10 weeks from Nov. 30th, 1913. | Warmth ... | 4 * 3 | 5 * 2 | 4 * 2 | 6 * 3 | 6 * 4 | 5 * 4 | 3 * 2 | 5 * 3 | 5 * 4 | 5 * 2 | 5 * 4 | 4 * 4 |
| | Rainfall ... | 4 * 2 | 3 * 4 | 1 * 6 | 1 * 8 | 0 * 7 | 1 * 5 | 3 * 4 | 3 * 6 | 1 * 5 | 3 * 5 | 2 * 6 | 3 * 6 |
| | Sunshine ... | 3 * 0 | 2 * 2 | 1 * 2 | 2 * 3 | 2 * 5 | 3 * 3 | 2 * 4 | 1 * 0 | 3 * 4 | 1 * 7 | 1 * 7 | 1 * 3 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 1912–13. Dec. 1st–March 1st. 13 weeks. | Warmth ... | 5 * 3 | 5 * 3 | 6 * 2 | 5 * 1 | 6 * 2 | 7 * 1 | 8 * 3 | 6 * 1 | 6 * 2 | 9 * 1 | 8 * 3 | 8 * 1 |
| | Rainfall ... | 6 * 5 | 5 * 3 | 4 * 3 | 5 * 2 | 5 * 3 | 5 * 3 | 5 * 3 | 5 * 3 | 7 * 3 | 6 * 2 | 6 * 2 | 5 * 4 |
| | Sunshine ... | 1 * 6 | 0 * 7 | 1 * 8 | 2 * 7 | 2 * 9 | 3 * 6 | 0 * 9 | 2 * 4 | 1 * 8 | 0 * 8 | 0 * 8 | 1 * 9 |
| SPRING, 1913. Mar. 2nd–May 31st. 13 weeks. | Warmth ... | 2 * 5 | 2 * 5 | 5 * 2 | 5 * 2 | 4 * 2 | 4 * 2 | 2 * 4 | 4 * 3 | 3 * 2 | 1 * 3 | 1 * 3 | 3 * 4 |
| | Rainfall ... | 6 * 2 | 5 * 3 | 5 * 4 | 5 * 2 | 7 * 3 | 6 * 1 | 8 * 2 | 7 * 3 | 6 * 1 | 7 * 2 | 6 * 1 | 7 * 3 |
| | Sunshine ... | 3 * 3 | 2 * 3 | 1 * 4 | 2 * 6 | 2 * 5 | 2 * 4 | 1 * 8 | 1 * 4 | 0 * 6 | 2 * 5 | 1 * 6 | 0 *10 |
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| | Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| | Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |

EXPLANATION OF NOMENCLATURE USED ABOVE.

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—The charts for the current week will be issued with the Statistical Tables for next week.**

(371—19.) Wt. 196—786. 450. 2/14. D & S. G. 17/36.

| Districts and Names of Stations reporting Temperature of Air and Rainfall. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible d'ration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean | Difference from Average. | Earth 4 ft. Mean. | Difference from Average. | Stations reporting Sunshine and Temperature on the Grass and in the Ground. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, N. | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| *p Baltasound* | *31* | *53* | *6th* | *38* | *1, 6* | *49·4* | *40·4* | *44·9* | — | *27* | *4* | *7* | *0·88* | — | *1·4* | — | *19* | | | 41·7 | | | | *Baltasound.* |
| *a* Islands .. *a* Lerwick .. | 54 | 51 | 1, 4 | 38 | 4th | 48·9 | 40·3 | 44·6 | + 6·0 | 25 | 5 | 7 | 0·52 | — | 1·3 | − 0·1 | 7 | | | | | | | Deerness. |
| *a* Stornoway .. | 51 | 51 | 1-3 | 33 | 4th | 48·7 | 37·3 | 43·0 | + 4·0 | 27 | 13 | 7 | 2·12 | + 1·03 | 0·2 | − 1·3 | 3 | | | | | | | Stornoway. |
| *a Castlebay, Barra Isd.* .. | *37* | *52* | *1, 2* | *38* | *6th* | *49·6* | *41·9* | *45·8* | + *4·4* | *27* | *0* | *7* | *1·26* | — | *0·1* | — | *1* | | | | | | | *Castlebay.* |
| *b*, Mainland. *a* Wick .. .. | 81 | 54 | 2nd | 33 | 3rd | 48·6 | 37·9 | 43·3 | + 5·6 | 26 | 11 | 5 | 0·46 | − 0·11 | * | * | * | | | | | | | |
| *p* Strathpeffer .. | 200 | 56 | 2nd | 31 | 3rd | 50·7 | 37·9 | 44·3 | + 7·3 | 33 | 11 | 5 | 1·11 | + 0·42 | 1·5 | − 0·1 | 19 | | | | | | | Strathpeffer. |
| *p* Glencarron .. | 500 | 55 | 2nd | 33 | 3rd | 51·7 | 37·4 | 44·6 | + 8·1 | 38 | 13 | 7 | 2·66 | + 0·62 | * | * | * | | | | | | | |
| *p* Fort Augustus.. .. | 88 | 54 | 1, 2, 4 | 34 | 3rd | 51·6 | 39·4 | 45·5 | + 7·9 | 35 | 7 | 7 | 1·89 | + 0·74 | 0·5 | − 0·5 | 6 | | | | | | | Fort Augustus. |
| *p* Fort William .. .. | 175 | 55 | 2nd | 35 | 3rd | 52·0 | 39·7 | 45·9 | + 6·8 | 37 | 6 | 7 | 6·36 | + 4·40 | * | * | * | | | | | | | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle .. .. | 101 | 58 | 2nd | 33 | 7th | 54·1 | 40·0 | 47·1 | + 8·9 | 44 | 6 | 2 | 0·21 | − 0·29 | 0·9 | — | 11 | 2 | 29 | 40·5 | +5·9 | 38·4 | +1·0 | Crathes S. |
| *a* Nairn .. .. | 82 | 57 | 2nd | 31 | 4th | 52·3 | 36·9 | 44·6 | + 7·3 | 40 | 14 | 6 | 0·62 | + 0·17 | 1·8 | — | 23 | | | | | | | Nairn. |
| *a* Aberdeen .. .. | 46 | 54 | 1, 2 | 36 | 4th | 50·7 | 39·7 | 45·2 | + 7·4 | 32 | 6 | 3 | 0·71 | + 0·19 | 0·8 | − 1·3 | 10 | | | | | 40·3 | +1·4 | Aberdeen. |
| *a* Balmoral .. .. | 930 | 54 | 4th | 28 | 3rd | 52·3 | 37·3 | 44·8 | +10·9 | 39 | 13 | 3 | 0·53 | − 0·15 | * | * | * | 3 | 24 | | | | | Balmoral. |
| *p* Crieff .. .. | 440 | 53 | 2nd | 33 | 3rd | 49·9 | 40·7 | 45·3 | + 7·9 | 29 | 4 | 7 | 1·65 | + 0·68 | 0·4 | — | 5 | | | | | | | Balruddery. |
| *a* Leith .. .. | 18 | 56 | 1st | 36 | 1st | 53·6 | 41·9 | 47·8 | + 8·7 | 41 | 0 | 3 | 0·18 | − 0·20 | * | * | * | | | | | | | |
| *p* West Linton .. .. | 800 | 51 | 1st | 30 | 7th | 47·9 | 37·1 | 42·5 | + 6·2 | 24 | 14 | 6 | 0·34 | — | *0·4* | — | *5* | 2 | 27 | | | | | *West Linton* |
| *p* Marchmont .. .. | 498 | 51 | 2, 6 | 31 | 1st | 50·1 | 40·0 | 45·1 | + 8·6 | 30 | 6 | 3 | 0·22 | − 0·30 | 0·6 | − 1·3 | 7 | 2 | 26 | 41·9 | +7·1 | | | Marchmont. |
| *Edinburgh* .. .. | *441* | *53* | *1, 3* | *37* | *7th* | *51·0* | *42·6* | *46·8* | — | *34* | *0* | *3* | *0·20* | — | 1·1 | − 0·3 | 13 | 1 | 30 | | | | | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch .. .. | 132 | 53 | 1, 2 | 35 | 7th | 49·0 | 39·3 | 44·2 | + 5·5 | 27 | 8 | 7 | 2·47 | + 1·49 | * | * | * | | | | | | | |
| *p* Glasgow .. .. | 180 | 53 | 1st | 38 | 1, 7 | 50·4 | 43·6 | 47·0 | + 8·6 | 35 | 0 | 7 | 0·61 | − 0·09 | 0·0 | − 1·1 | 0 | 0 | 31 | | | | | Glasgow. |
| *p* Rothesay .. .. | 73 | 51 | 1, 2 | 37 | 7th | 49·3 | 42·0 | 45·7 | + 6·3 | 26 | 0 | 7 | 1·61 | + 0·68 | *0·0* | * | *0* | 0 | 32 | 43·0 | | 43·3 | +1·5 | *Rothesay.* |
| *a* Kilmarnock .. .. | 90 | 53 | 1st | 34 | 7th | 50·7 | 41·3 | 46·0 | + 6·9 | 31 | 2 | 6 | 0·53 | — | *0·0* | — | *0* | 0 | 32 | | | | | *Kilmarnock.* |
| *a* Colmonell .. .. | 150 | 52 | 1st | 36 | 7th | 50·3 | 41·9 | 46·1 | + 7·4 | 29 | 0 | 4 | 1·36 | + 0·41 | * | * | * | 0 | 31 | | | | | |
| *p* Dumfries .. .. | 160 | 51 | 1st | 34 | 1st | 49·0 | 39·4 | 44·2 | + 5·8 | 26 | 7 | 6 | 0·42 | − 0·33 | *0·4* | — | *5* | 0 | 31 | 42·7 | | 41·6 | | *Dumfries.* |
| *p* Cally, Gatehouse .. | 120 | 51 | 2nd | 34 | 7th | 48·6 | 41·6 | 45·1 | + 6·9 | 23 | 1 | 4 | 0·45 | − 0·55 | * | * | * | | | | | | | |
| *b*. I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas .. .. .. | 277 | 50 | 1-4 | 37 | 7th | 49·0 | 43·6 | 46·3 | + 5·9 | 30 | 0 | 6 | 0·81 | + 0·02 | 0·1 | − 1·9 | 1 | 0 | 32 | * | * | * | * | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle .. | 210 | 55 | 2, 5 | 32 | 6th | 52·4 | 39·1 | 45·8 | + 7·8 | 39 | 8 | 3 | 0·49 | 0·00 | 1·8 | — | 22 | 2 | 26 | 42·6 | +8·4 | 41·9 | +3·3 | Cockle Park |
| *a* Shields .. .. | 96 | 56 | 1, 2 | 36 | 7th | 53·9 | 42·9 | 48·4 | + 9·9 | 45 | 0 | 1 | 0·03 | − 0·31 | * | * | * | * | * | * | * | * | * | |
| *p* Durham .. .. | 336 | 54 | 1, 3 | 33 | 6th | 50·7 | 40·4 | 45·6 | + 8·3 | 32 | 4 | 2 | 0·11 | − 0·23 | 1·1 | − 0·8 | 13 | 1 | 29 | * | * | * | * | Durham. |
| *a*, North .. *p* Rounton .. .. | 249 | 55 | 1st | 37 | 6th | 51·7 | 42·6 | 47·2 | +10·3 | 36 | 0 | 2 | 0·11 | − 0·28 | * | * | * | 0 | 31 | 42·0 | * | * | * | Rounton. |
| *a West Witton* .. .. | *605* | *54* | *1st* | *38* | *6th* | *50·0* | *40·4* | *45·2* | — | *29* | *4* | *4* | *0·31* | — | * | * | * | 1 | 27 | 42·7 | * | 41·2 | * | *West Witton.* |
| *p* Scarborough .. .. | 100 | 56 | 3rd | 37 | 6th | 52·4 | 41·9 | 47·2 | + 8·7 | 37 | 0 | 2 | 0·05 | − 0·39 | 2·7 | — | 31 | * | * | * | * | 41·0† | * | Scarborough. |
| *p* York .. .. .. | 56 | 58 | 1st | 35 | 6th | 53·0 | 42·3 | 47·7 | + 9·6 | 40 | 0 | 2 | 0·07 | − 0·31 | 2·0 | + 0·5 | 23 | * | * | 42·7 | +5·9 | 42·7 | +2·1 | York. |
| | | | | | | | | | | | | | | | *1·9* | — | *22* | 0 | 32 | 42·1 | +6·2 | 42·3 | +0·8 | *Hull.* |
| *b*, South .. *a* Spurn Head .. | 26 | 54 | 1st | 37 | 6th | 50·9 | 41·8 | 45·8 | + 7·1 | 32 | 4 | 2 | 0·07 | − 0·21 | *3·4* | — | *40* | * | * | * | * | * | * | *Spurn Head.* |
| *a* Lincoln .. .. | 58 | 56 | 1st | 33 | 6th | 53·0 | 40·7 | 46·9 | + 9·5 | 40 | 4 | 2 | 0·19 | − 0·17 | * | * | * | * | * | 42·6 | +6·9 | 42·2 | +2·5 | Lincoln. |
| *a* Fulbeck .. .. | 180 | 56 | 1st | 36 | 6, 7 | 53·3 | 40·4 | 46·9 | + 9·1 | 41 | 4 | 2 | 0·15 | − 0·23 | 3·1 | — | 36 | 3 | 28 | 42·8 | +5·9 | 43·1 | +1·3 | Rauceby. |
| | | | | | | | | | | | | | | | 3·4 | — | 40 | * | * | * | * | * | * | Skegness. |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | *4·5* | — | *52* | 0 | 32 | 39·7 | +2·6 | 41·7 | +1·1 | *Lowestoft.* |
| *p* Cromer .. .. .. | 196 | 56 | 1, 3 | 35 | 6th | 53·9 | 39·0 | 46·5 | + 9·6 | 44 | 8 | 2 | 0·05 | — | 4·4 | — | 51 | * | * | * | * | * | * | Cromer. |
| *p* Little Massingham .. | 280 | 54 | 1st | 35 | 6th | 51·4 | 40·3 | 45·9 | + 8·6 | 34 | 5 | 2 | 0·16 | − 0·28 | 3·6 | + 1·7 | 41 | 1 | 29 | * | * | * | * | Lit. Massingham. |
| *a*, North .. *a* Yarmouth .. | 17 | 55 | 1, 3 | 37 | 7th | 50·0 | 39·4 | 44·7 | + 7·2 | 30 | 7 | 2 | 0·05 | − 0·29 | 4·2 | — | 48 | * | * | 39·6 | +3·5 | 42·1 | +0·8 | Yarmouth. |
| *a* Norwich .. .. | 93 | 55 | 1st | 33 | 6th | 51·6 | 38·9 | 45·3 | + 8·0 | 36 | 9 | 2 | 0·09 | — | *4·6* | — | *53* | 1 | 28 | 40·0 | * | * | * | *Norwich.* |
| *p* Geldeston .. .. | 37 | 56 | 2nd | 34 | 6th | 52·1 | 38·3 | 45·2 | + 7·1 | 38 | 10 | 3 | 0·07 | − 0·27 | 4·8 | + 2·7 | 55 | * | * | * | * | * | * | Geldeston. |
| *p* Cambridge .. .. | 41 | 55 | 1, 3 | 35 | 6th | 53·6 | 40·4 | 47·0 | + 9·1 | 42 | 4 | 2 | 0·10 | − 0·22 | 3·9 | + 1·9 | 45 | 2 | 27 | 41·8 | +5·5 | 42·9 | +1·6 | Cambridge. |
| *a Feltxstowe* .. .. | *10* | *49* | *1st* | *37* | *6th* | *45·6* | *39·1* | *42·4* | + *4·0* | *15* | *8* | *1* | *0·15* | — | *5·5* | — | *63* | * | * | * | * | * | * | *Felixstowe.* |
| *b*, South .. *a* Clacton-on-Sea .. | 54 | 47 | 1, 4 | 39 | 1, 3-7 | 45·6 | 39·1 | 42·4 | + 4·0 | 15 | 8 | 1 | 0·09 | — | 4·5 | — | 51 | 2 | 30 | 40·8 | +2·5 | 43·2 | −0·2 | Clacton. |
| *a* Rothamsted .. .. | 424 | 54 | 1, 5 | 31 | 6, 7 | 52·1 | 36·6 | 44·4 | + 7·1 | 39 | 15 | 4 | 0·46 | 0·00 | 4·2 | + 2·3 | 47 | * | * | * | * | * | * | Rothamsted. |
| *a Shoeburyness* .. .. | *13* | *54* | *3rd* | *38* | *5, 6* | *50·3* | *39·3* | *44·8* | + *6·1* | *31* | *8* | *5* | *0·08* | − *0·20* | *5·4* | — | *61* | 2 | 29 | 41·9 | +4·1 | * | * | *Southend.* |
| *p* Tottenham .. .. | 51 | 53 | 5th | 35 | 6th | 50·3 | 42·0 | 46·2 | + 7·4 | 29 | 0 | 2 | 0·22 | — | 1·3 | — | 15 | 1 | 29 | * | * | 43·8 | +1·4 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate .. .. | 476 | 55 | 1st | 34 | 6th | 51·4 | 40·3 | 45·9 | + 9·2 | 34 | 5 | 2 | 0·06 | − 0·45 | *2·5* | — | *29* | 1 | 28 | 42·8 | +6·8 | 42·0 | +1·7 | *Huddersfield.* |
| *a* Bawtry .. .. | 65 | 55 | 1, 3 | 32 | 6th | 52·4 | 41·3 | 46·9 | + 9·3 | 37 | 2 | 2 | 0·03 | − 0·35 | 1·6 | 0·0 | 19 | 2 | 28 | 42·2 | +5·4 | 41·8 | +2·6 | Harrogate. |
| *p Buxton* .. .. | *987* | *52* | *3rd* | *36* | *6th* | *47·7* | *41·0* | *44·4* | + *9·1* | *21* | *3* | *3* | *0·09* | − *0·93* | *1·0* | — | *12* | 0 | 31 | 41·4 | +5·7 | 42·0 | +1·0 | *Buxton.* |
| *a*, East .. *a* Nottingham .. | 82 | 56 | 1st | 34 | 6th | 53·0 | 40·7 | 46·9 | + 9·2 | 40 | 4 | 2 | 0·06 | − 0·34 | 2·1 | — | 24 | 1 | 29 | 43·0 | +8·0 | 41·3 | 2·7 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 56 | 3rd | 36 | 6th | 50·9 | 41·1 | 46·0 | + 8·3 | 32 | 3 | 2 | 0·20 | − 0·23 | 1·4 | — | 16 | 1 | 27 | 43·9 | +5·8 | 44·7 | +1·3 | Birmingham. |
| *a* Raunds .. .. | 204 | 56 | 1, 2 | 33 | 5th | 54·0 | 37·7 | 45·9 | + 8·7 | 45 | 12 | 3 | 0·11 | — | *4·2* | — | *48* | 3 | 24 | 42·4 | * | 44·1 | * | *Raunds.* |
| *p* Oxford .. .. .. | 208 | 55 | 2, 3, 5 | 39 | 6th | 52·9 | 42·0 | 47·5 | + 8·8 | 39 | 0 | 2 | 0·19 | − 0·21 | 4·1 | + 2·2 | 46 | 0 | 31 | * | * | * | * | Oxford. |
| | | | | | | | | | | | | | | | 2·0 | — | 23 | 0 | 32 | 42·8 | +6·9 | 42·4 | +1·9 | Sheffield. |
| *a* Cheadle .. .. | 646 | 54 | 3rd | 35 | 6th | 50·0 | 40·0 | 45·0 | + 8·1 | 29 | 6 | 1 | 0·04 | − 0·48 | * | * | * | 0 | 31 | * | * | * | * | Cheadle. |
| *p* Shrewsbury .. .. | 191 | 61 | 3rd | 37 | 7th | 53·4 | 43·0 | 48·2 | + 9·6 | 43 | 0 | 0 | 0·00 | — | * | * | * | 0 | 32 | * | * | * | * | Shrewsbury. |
| *b*, West .. *a* Hereford§ .. | 291 | 57 | 3rd | 39 | 6th | 51·9 | 42·1 | 47·0 | + 8·5 | 35 | 0 | 3 | 0·35 | − 0·15 | *2·7* | * | *31* | 0 | 35 | 42·6 | * | 42·5 | * | *Malvern.§* |
| *a* Cirencester .. .. | 446 | 54 | 1, 2 | 34 | 6th | 51·3 | 38·6 | 45·0 | + 7·5 | 35 | 10 | 2 | 0·85 | + 0·35 | 2·8 | + 0·9 | 32 | 0 | 31 | 42·8 | * | 43·4 | * | Cirencester. |
| *a* Bath .. .. .. | 66 | 57 | 3, 4 | 35 | 4th | 54·0 | 41·4 | 47·7 | + 8·1 | 42 | 2 | 2 | 0·45 | − 0·06 | 3·3 | — | 37 | * | * | 43·6 | +4·8 | 43·4 | +0·1 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | * | * | * | 3 | 26 | 41·8 | +4·2 | 44·6 | +1·8 | Canterbury. |
| *p* Kew .. .. .. | 18 | 54 | 1, 3 | 35 | 3rd | 52·0 | 39·4 | 45·7 | + 6·7 | 37 | 7 | 2 | 0·34 | − 0·03 | 5·0 | + 3·4 | 56 | 4 | 21 | 41·2 | +4·5 | 43·1 | +0·7 | Kew. |
| *a* Marlborough .. .. | 424 | 53 | 3rd | 38 | 4-6 | 50 4 | 40·1 | 45·3 | + 7·8 | 31 | 5 | 2 | 0·74 | + 0·19 | 2·7 | +11·0 | 30 | 2 | 28 | * | * | 44·1 | * | Marlborough. |
| *a* Margate .. .. | 35 | 52 | 4th | 37 | 5th | 50·1 | 39·9 | 45·0 | + 5·9 | 30 | 6 | 1 | 0·06 | − 0·29 | 5·4 | —‖ | 61 | 0 | 33 | 42·5 | +4·4 | 44·9 | +3·8 | Margate. |
| *a* Wisley, Surrey .. | 150 | 55 | 3rd | 37 | 6th | 52·0 | 41·0 | 46·5 | + 7·1 | 36 | 3 | 2 | 0·59 | — | 5·3 | — | 60 | 4 | 27 | 41·3 | +4·4 | 42·2 | +0·7 | Wisley. |
| | | | | | | | | | | | | | | | 6·0 | — | 67 | 0 | 33 | 41·7 | +3·9 | 43·4 | +0·5 | Worthing. |
| *p* Salisbury (Wilton) .. | 180 | 54 | 3rd | 30 | 6th | 50·9 | 37·4 | 44·2 | + 5·9 | 35 | 13 | 6 | 1·34 | + 0·75 | * | * | * | 3 | 25 | 42·4 | * | * | * | Salisbury. |
| *a* Tunbridge Wells .. | 418 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | Tunbridge Wells. |
| *a* Dungeness .. .. | 21 | 48 | 1, 7 | 41 | 2, 6 | 47·0 | 42·1 | 44·6 | + 5·2 | 18 | 0 | 1 | 0·25 | − 0·14 | 6·6 | * | 74 | * | * | * | * | * | * | Littlestone. |
| *p* Hastings.. .. .. | 178 | 49 | 1, 3, 4 | 39 | 5th | 48·0 | 41·1 | 44·6 | + 4·9 | 23 | 3 | 2 | 0 44 | − 0·06 | *6·9* | + *4·6* | 77 | 3 | 28 | 40·0 | * | 41·9 | * | *Hastings.* |
| *p* Southampton .. .. | 65 | 54 | 3rd | 40 | 6th | 51·7 | 43·3 | 47·5 | + 7·2 | 39 | 0 | 2 | 0·74 | + 0·19 | 4·3 | + 2·2 | 48 | 2 | 30 | * | * | * | * | Southampton. |
| *a* Ventnor .. .. .. | 80 | 51 | 3rd | 40 | 3rd | 49·3 | 41·4 | 45·4 | + 4·0 | 26 | 2 | 2 | 0·47 | − 0·07 | 5·6 | + 3·3 | 62 | * | * | * | * | * | * | Ventnor. |
| | | | | | | | | | | | | — | — | — | *5·6* | — | *63* | 2 | 28 | 43·0 | +4·4 | 44·9 | +1·3 | *Portsmouth.* |
| | | | | | | | | | | | | — | — | — | 6·6 | + 4·5 | 73 | * | * | 42·2 | * | 44·0 | * | Eastbourne. |
| | | | | | | | | | | | | — | — | — | *4·7* | — | *52* | * | * | 42·3 | * | 42·6 | * | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | — | — | — | *5·9* | + *3·8* | *66* | 0 | 36 | * | * | 41·6 | * | *Brighton.* |
| *a Westminster* .. .. | *27* | *57* | *3rd* | *40* | *6th* | *53·9* | *42·6* | *48·3* | + *9·1* | *44* | *0* | *2* | *0·22* | − *0·15* | *4·3* | + *3·4* | *48* | 0 | 31 | * | * | * | * | *Westminster.* |
| *a Greenwich* .. .. | *155* | *57* | *3rd* | *37* | *5, 6* | *53·9* | *39·9* | *46·9* | + *8·1* | *43* | *6* | *2* | *0·32* | − *0·03* | *5·6* | + *3·9* | *63* | 4 | 25 | * | * | * | * | *Greenwich.* |
| *a Hampstead* .. .. | *450* | *54* | *3rd* | *39* | *6th* | *51·6* | *41·3* | *46·5* | — | *34* | *2* | *2* | *0·30* | — | *?4·4* | — | *49* | 5 | 21 | * | * | * | * | *Hampstead.* |
| *a Camden Square* .. | *110* | *55* | *1st* | *36* | *6th* | *52·9* | *40·3* | *46·6* | — | *39* | *5* | *2* | *0·28* | — | *3·5* | — | *39* | 2 | 27 | * | * | * | * | *Camden Square.* |
| | | | | | | | | | | | | — | — | — | *1·1* | — | *13* | 0 | 31 | 42·6 | +7·0 | 41·9 | +1·6 | *Burnley.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | 1·1 | — | 13 | * | * | * | * | * | * | Hoylake. |
| *p* Aspatria .. .. .. | 250 | 56 | 1st | 36 | 7th | 51·7 | 43·3 | 47·5 | + 9·8 | 39 | 0 | 5 | 0·50 | − 0·10 | 1·5 | — | 18 | 1 | 30 | 44·2 | * | 43·6 | * | Aspatria. |
| *p* Newton Rigg .. .. | 559 | 52 | 1, 2 | 34 | 7th | 50·1 | 41·1 | 45·6 | + 9·0 | 29 | 3 | 5 | 0·96 | + 0·22 | 0·9 | − 0·8 | 11 | 2 | 26 | 43·1 | +6·3 | 41·7 | +1·9 | Newton Rigg. |
| *p* Stonyhurst .. .. | 375 | 54 | 1, 3 | 38 | 7th | 51·0 | 42·9 | 47·0 | + 9·1 | 35 | 0 | 1 | 0·01 | − 0·86 | 1·3 | − 0·3 | 15 | 2 | 28 | * | * | * | * | Stonyhurst. |
| *p* Blackpool .. .. | 66 | 54 | 2, 3 | 36 | 7th | 51·9 | 43·4 | 47·2 | + 8·6 | 36 | 0 | 1 | 0·07 | − 0·50 | 0·9 | − 0·8 | 11 | 0 | 31 | 43·2 | * | 44·6 | * | Blackpool. |
| *p* Manchester (Whit. Pk.) | 125 | 56 | 1st | 40 | 6th | 52·0 | 43·6 | 47·8 | + 8·6 | 41 | 0 | 0 | 0·00 | − 0·47 | *1·1* | + *0·3* | *13* | * | * | * | * | * | * | *Whit. Park.* |
| *a* Liverpool (Bidston) .. | 188 | 58 | 2nd | 39 | 6, 7 | 52·9 | 43·7 | 48·3 | + 8·6 | 44 | 0 | 2 | 0·07 | − 0·39 | *1·4* | — | *16* | * | * | * | * | * | * | *Liverpool.* |
| *a Hawarden Bridge* .. | *22* | *60* | *2nd* | *38* | *6th* | *54·9* | *44·4* | *49·7* | + *9·6* | *54* | *0* | *2* | *0·15* | − *0·20* | *1·0* | − *0·7* | *12* | 1 | 26 | 43·7 | +8·4 | 42·5 | +3·2 | *Southport.* |
| | | | | | | | | | | | | — | — | — | *0·2* | — | *2* | 0 | 37 | 44·2 | +8·1 | 44·3 | +2·7 | *Manchester (City).* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno .. .. | 71 | 58 | 3rd | 42 | 7th | 54·4 | 47·0 | 50·7 | + 9·4 | 61 | 0 | 2 | 0·17 | − 0·37 | 2·0 | 0·0 | 23 | * | * | * | * | * | * | Llandudno. |
| *a* Holyhead .. .. | 57 | 52 | 5th | 43 | 7th | 50·9 | 46·9 | 48·9 | + 7·4 | 48 | 0 | 3 | 0·26 | − 0·37 | *0·4* | — | *5* | * | * | * | * | * | * | *Holyhead.* |
| *p* Bettws-y-Coed .. | 101 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | Bettws-y-Coed. |
| | | | | | | | | | | | | — | — | — | 1·4 | — | 16 | * | * | * | * | * | * | Aberdovey |

* For notes see also opposite page. † At 3 feet. ‖ Hoar frost. § The temperature on the grass refers to Hereford.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a.* SOUTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Llangammarch Wells | 550 | 58 | 3rd | 34 | 6th | 52·9 | 42·7 | 47·8 | +10·0 | 41 | 0 | 4 | 0·73 | — | 2·5 | — | 29 | 3 | 27 | 43·8 | +5·7 | 44·6 | +1·2 | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 51 | 3rd | 43 | 7th | 49·9 | 46·6 | 48·3 | + 6·0 | 44 | 0 | 2 | 0·43 | − 0·28 | 1·9 | − 0·2 | 21 | * | * | * | * | * | * | Llangammarch |
| *p* Cardiff .. .. .. | 203 | 55 | 3, 4 | 39 | 4th | 51·9 | 42·0 | 47·0 | + 7·4 | 35 | 0 | 2 | 0·41 | − 0·35 | *2·5* | — | *28* | 1 | 30 | 43·9 | +5·8 | 43·5 | +1·4 | Pembroke.[Wells |
| *b.* ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | *Cardiff.* |
| *a* Clifton .. .. .. | 229 | 55 | 1st | 41 | 6th | 52·9 | 43·7 | 48·3 | + 8·6 | 44 | 0 | 2 | 0·82 | + 0·22 | *3·3* | — | 37 | 0 | 34 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 51 | 3rd | 40 | 3-6 | 48·7 | 40·9 | 44·8 | + 7·0 | 24 | 3 | 2 | 0·66 | + 0·08 | * | * | * | * | * | 42·6 | * | 42·6 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 56 | 4th | 38 | 7th | 51·7 | 43·1 | 47·4 | + 8·2 | 38 | 0 | 2 | 0·38 | − 0·60 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *57* | *4th* | *38* | *7th* | *54·0* | *46·1* | *50·1* | — | *57* | *0* | *2* | *0·60* | *− 0·05* | 3·2 | + 1·1 | 36 | 1 | 29 | 46·7 | * | 45·9 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 56 | 4th | 35 | 4th | 52·3 | 42·4 | 47·4 | + 7·5 | 38 | 0 | 5 | 0·87 | + 0·18 | 1·9 | 0·0 | 21 | 2 | 28 | 45·4 | * | * | * | Cullompton. |
| *a* Portland .. .. | 19 | 50 | 3, 5 | 43 | 5th | 48·6 | 44·0 | 46·3 | + 4·7 | 30 | 0 | 3 | 0·48 | — | *3·9* | — | *43* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 55 | 3, 4 | 43 | 6th | 52·6 | 45·1 | 48·9 | + 6·9 | 48 | 0 | 2 | 0·98 | + 0·27 | 3·2 | + 1·1 | 36 | 0 | 39 | 46·0 | +5·8 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 56 | 3rd | 38 | 7th | 53·0 | 46·3 | 49·7 | + 6·6 | 54 | 0 | 3 | 0·69 | − 0·21 | 3·5 | + 1·3 | 39 | 1 | 28 | 47·4 | * | 47·0 | * | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* West .. *a* Malin Head .. .. | 208 | 53 | 2nd | 35 | 7th | 50·3 | 38·4 | 44·4 | + 3·5 | 32 | 10 | 5 | 1·95 | + 1·39 | * | * | * | * | * | * | * | * | * | |
| *a* Blacksod Point | 37 | 53 | 1st | 39 | 3,7 | 50·7 | 42·4 | 46·6 | + 4·1 | 32 | 0 | 7 | 4·11 | + 3·11 | * | * | * | * | * | * | * | * | * | |
| *p* Markree Castle .. | 122 | 56 | 1st | 35 | 7th | 52·6 | 39·7 | 46·2 | + 6·7 | 39 | 6 | 7 | 3·02 | + 2·22 | 0·8 | − 0·9 | 9 | 1 | 30 | 45·0 | * | 44·6 | * | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 55 | 1, 2 | 35 | 7th | 53·0 | 44·1 | 48·6 | + 8·7 | 46 | 0 | 7 | 0·83 | + 0·26 | *1·2* | *− 0·8* | *14* | * | * | * | * | * | * | *Birr Castle.* |
| *b.* East .. *p* Armagh .. .. | 196 | 56 | 1st | 36 | 7th | 52·9 | 43·0 | 48·0 | + 8·3 | 42 | 0 | 6 | 0·71 | + 0·16 | 0·7 | − 1·1 | 8 | 0 | 34 | 44·8 | +5·3 | 44·1 | +1·3 | Armagh. |
| *a* Donaghadee .. .. | 40 | 52 | 1, 2 | 37 | 7th | 50·3 | 42·9 | 46·6 | + 6·2 | 32 | 0 | 5 | 0·65 | + 0·07 | * | * | * | * | * | * | * | * | * | |
| **10.** IRELAND, S. | | | | | | | | | | | | — | — | — | — | — | — | 1 | 29 | 46·7 | +6·8 | 45·3 | +2·3 | Trinity Coll. |
| *p* Dublin, City .. .. | 47 | 58 | 3rd | 40 | 7th | 54·7 | 46 4 | 50·6 | + 8·8 | 60 | 0 | 4 | 0·35 | − 0·15 | 1·6 | − 0·6 | 19 | 2 | 25 | * | * | * | * | Phœnix Park. |
| *a* East .. *a* Kilkenny .. | 195 | 54 | 1, 7 | 34 | 7th | 52·9 | 45·4 | 49·2 | + 8·8 | 50 | 0 | 7 | 0·62 | − 0·08 | * | * | * | 0 | 37 | * | * | * | * | Dublin City. |
| *a* Waterford .. | 100 | 53 | 4th | 35 | 7th | 51·7 | 46·1 | 48·9 | + 7·7 | 48 | 0 | 5 | 0·98 | + 0·10 | * | * | * | * | * | * | * | * | * | |
| *a Carrick-on-Suir* .. | *541* | *52* | *3rd* | *34* | *7th* | *49·9* | *43·3* | *46·6* | — | *52* | *0* | *7* | *1·66* | — | *1·0* | — | *12* | 0 | 32 | * | * | * | * | *Carrick-on-Suir.* |
| *b.* West .. *a* Birr Castle .. .. | 175 | 55 | 1, 2 | 35 | 7th | 53·0 | 44·1 | 48·6 | + 8·7 | 46 | 0 | 7 | 0·83 | + 0·26 | 1·2 | − 0·8 | 14 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes† .. .. | 50 | 56 | 1-3 | 36 | 7th | 52·6 | 44·7 | 48·7 | + 6·7 | 47 | 0 | 6 | 1·35 | + 0·57 | * | * | * | * | * | * | * | * | * | |
| *a* Cahir .. .. | 199 | 53 | 1-4 | 32 | 7th | 52·3 | 44·3 | 48·3 | + 7·2 | 44 | 0 | 6 | 0·78 | — | * | * | * | * | * | * | * | * | * | |
| *a* Killarney .. .. | 174 | 65 | 2nd | 40 | 1, 4, 7 | 52·5 | 45·6 | 49·1 | + 6·7 | 50 | 0 | 7 | 3·26 | + 1·92 | * | * | * | * | * | * | * | * | * | |
| *a* Valencia .. .. | 30 | 54 | 1-3 | 41 | 7th | 52·0 | 46·9 | 49·5 | + 5·2 | 53 | 0 | 7 | 3·93 | + 2·68 | 0·6 | − 1·5 | 7 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. | 32 | 52 | 1, 4 | 41 | 7th | 50·7 | 47·0 | 48·9 | + 5·6 | 48 | 0 | 6 | 0·93 | − 0·04 | 1·6 | — | 18 | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 54 | 4th | 43 | 7th | 53·0 | 48·0 | 50·5 | + 5·2 | 60 | 0 | 2 | 0·32 | − 0·35 | 2·6 | + 0·2 | 29 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 51 | 1, 5 | 41 | 2, 4 | 49·7 | 41·9 | 45·8 | + 3·2 | 27 | 0 | 2 | 0·29 | − 0·36 | 5·8 | + 3·1 | 64 | * | * | * | * | * | * | St. Heliers |
| *a* Guernsey (Villa Carey) | 180 | 52 | 1, 3 | 41 | 2, 7 | 49·3 | 42·3 | 45·8 | + 2·4 | 27 | 0 | 3 | 0·32 | − 0·36 | 4·5 | + 2·2 | 50 | 0 | 39 | 44·2 | +2·7 | 45·2 | −0·2 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 6·2 hrs. 69 °/₀; Ramsgate, 5·5 hrs. 62 °/₀; Rhyl, 1·7 hrs. 20 °/₀; Salcombe, 3·8 hrs. 42 °/₀; Tenby, 2·6 hrs. (+0·3) 29 °/₀; Torquay, 3·2 hrs. (+0·9) 36 °/₀.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

† Instruments moved to new site.

## III.—TEMPERATURE of the SEA.

Week ending on morning of Saturday, Feb. 7th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 45 | 44 | 44·7 | +2·6 |
| Kirkwall .. .. | 45 | 43 | 44·1 | +3·9 |
| Wick .. .. .. | 45 | 44 | 44·3 | +0·5 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 48 | 41 | 44·5 | +5·9 |
| Pennan Bay .. .. | 44 | 43 | 43·3 | +3·5 |
| Aberdeen, Cove Bay | 43 | 42 | 42·5 | +3·3 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 44 | 43 | 43·7 | −0·2 |
| Ballantrae .. .. | 48 | 44 | 46·0 | +3·9 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 43 | 41 | 42·4 | +3·2 |
| Scarborough .. .. | 45 | 42 | 43·0 | +3·1 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 41 | 40 | 40·8 | +1·6 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. . | 40 | 40 | 40·0 | +0·6 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 47 | 46 | 46·9 | +2·2 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 48 | 47 | 47·4 | +1·9 |
| Scilly .. .. .. | 47 | 46 | 47·0 | — |
| Plymouth‡ .. .. | 48 | 47 | 47·9 | +1·5 |
| Salcombe .. .. | 49 | 47 | 47·7 | +2·4 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 47 | 43 | 45·5 | +0·9 |
| Teelin .. .. .. | 48 | 45 | 46·1 | +2·6 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 46 | 44 | 45·4 | +1·5 |
| Seafield .. .. | 52 | 47 | 49·9 | +4·8 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS.

Week ending at midnight (24h.) on Saturday, Feb. 7th.

| DISTRICT AND STATION | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| **1.** SCOTLAND, E. Aberdeen .. .. | 105 | — | — | — | — | 79 | 89 | SSW. 10 | 2nd 11h. | 21 2nd 12.15 |
| **6.** SCOTLAND, W. Eskdalemuir .. | 50 | 1-3 | 16 | 1-7 | 77 | 33 | 42 | SSW. 18 | 2nd 23h. | 27 2nd 4.25 |
| Paisley .. .. | 80 | — | — | 1-6 | 52 | 75 | 41 | SSW. 14 | 3rd 22h. | 30 2nd 14.45 |
| **2.** ENGLAND, N.E. Alnwick Castle .. | 70 | — | — | — | — | 40 | 128 | SSW. 10 | 2nd 21h. | 18 3rd 2.20 |
| South Shields .. | 61 | — | — | 1-3, 7 | 15 | 104 | 49 | SW.byW.12 | 2nd 21h. | 22 1st 14.35 |
| Spurn Head .. | 40 | — | — | 1, 7 | 9 | 132 | 27 | SSW. 12 | 7th 19h. | 17 7th 15.55 |
| **3.** ENGLAND, E. Gorleston .. .. | 42 | — | — | 1, 6, 7 | 19 | 144 | 5 | — 15 | 7th 20h. | 19 7th 20. 5 |
| Shoeburyness .... | 90 | — | — | 7th | 13 | 109 | 46 | S. by W. 14 | 7th 16h. | 20 7th 15.35 |
| **4.** MIDLAND COUNTIES. Pyrton Hill .. | 45 | — | — | — | — | 53 | 135 | — 7 | 7th 13h. | 15 7th 24. 5 |
| **5.** ENGLAND, S.E. Dover .. .. | 40 | — | — | 1, 7 | 27§ | 18§ | —§ | — 15 | 7th 23h. | 20 7th 18.55 |
| Warlingham .. | 33 | — | — | 1, 7 | 14 | 72 | 82 | — 13 | 7th 14h. | 27 7th 14. 5 |
| Brighton .. .. | 53 | — | — | 7th | 7§ | 53§ | 98§ | — 12 | 7th 17, 21, 23, 24h. | 21 7th 17. 5 |
| Kew .. .. | 40 | — | — | — | — | 34 | 134 | — 10 | 7th 14h. | 18 7th 24.10 |
| South Kensington | 92 | — | — | — | — | 14 | 130 | S. by W. 8 | 7th 24h. | 14 7th 23.20 |
| **7.** ENGLAND, N.W. Southport .. | 62 | — | — | 1, 2, 7 | 15 | 143 | 10 | SSE. 14 | 7th 13h. | 22 7th 13.45 |
| Holyhead .. .. | 40 | — | — | 1, 2, 3, 4, 5, 6, 7 | 83 | 79 | 6 | SSE. 17 | 7th 24h. | 24 7th 12.10 |
| **8.** ENGLAND, S.W. Pendennis Castle | 65 | 1, 7 | 29 | 1, 2, 4-7 | 63 | 69 | 7 | SW. 25 | 7th 23h. | 31 7th 10.30 |
| Plymouth .. | 86 | 7th | 6 | 1, 2, 7 | 21 | 58 | 83 | — 21 | 7th 23h. | 26 7th 10.10 |
| **10.** IRELAND, S. Quilty .. .. | 40 | — | — | 1-4, 6, 7 | 50§ | 90§ | 21§ | — 15 | 1st 13h. | 22 1st 16. 5 |
| Roches Point .. | 30 | 7th | 6§ | 5-7 | 23§ | 27§ | § | — 21 | 7th 20h. | 28 7th 21.15 |
| **11.** ENGLISH CHANNEL. Scilly .. .. | 19 | — | — | 1, 2, 5, 7 | 26§ | 120§ | 8§ | S. 15 | 7th 21h. | 22 7th 24.15 |

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**FIFTH WEEK**—February 1st to February 7th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week ‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| **0.** SCOTLAND, NORTH ... | 56 | 31 | 50·3 | 38·6 | 44·4 | + 6·5 | 31 | + 24 | 10 | −27 | 6 | 0 | 2·16 | +0·73 | 0·9 | −0·3 | 11 | 999 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 58 | 28 | 51·4 | 39·2 | 45·3 | + 7·5 | 35 | + 26 | 8 | −33 | 4 | 0 | 0·55 | −0·02 | 0·9 | −1·1 | 12 | 1003 |
| **2.** ENGLAND, N.E. ... .. | 58 | 32 | 52·4 | 41·2 | 46·8 | + 7·6 | 37 | + 27 | 2 | −29 | 2 | − 3 | 0·14 | −0·22 | 2·4 | +0·3 | 27 | 1011 |
| **3.** ENGLAND, EAST ... | 56 | 31 | 51·2 | 39·3 | 45·3 | + 6·4 | 34 | + 24 | 8 | −26 | 2 | − 2 | 0·14 | −0·24 | 3·9 | +1·5 | 44 | 1016 |
| **4** MIDLAND COUNTIES ... | 61 | 32 | 52·3 | 40·7 | 46·5 | + 7·4 | 37 | + 25 | 4 | −30 | 2 | − 2 | 0·21 | −0·30 | 2·3 | +0·4 | 26 | 1015 |
| **5.** ENGLAND, S.E. ... ... | 55 | 30 | 50·2 | 40·6 | 45·4 | + 5·0 | 30 | + 16 | 4 | −21 | 2 | − 3 | 0·55 | +0·02 | 5·3 | +3·3 | 59 | 1018 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 53 | 34 | 49·5 | 41·6 | 45·6 | + 5·7 | 27 | + 15 | 1 | −26 | 6 | + 2 | 1·03 | 0·00 | 0·1 | −1·6 | 1 | 1005 |
| **7.** ENGLAND, N.W. ... ... | 58 | 34 | 51·7 | 44·0 | 47·9 | + 7·9 | 41 | + 30 | 0 | −25 | 2 | − 3 | 0·26 | −0·44 | 1·3 | −0·3 | *15 | 1009 |
| **8.** ENGLAND, S.W. ... ... | 58 | 34 | 51·5 | 43·7 | 47·6 | + 6·0 | 39 | + 22 | 0 | −20 | 3 | − 2 | 0·65 | −0·17 | 2·5 | +0·5 | 28 | 1012 |
| **9.** IRELAND, NORTH ... | 56 | 35 | 51·6 | 41·8 | 46·7 | + 6·0 | 34 | + 20 | 1 | −22 | 6 | + 1 | 1·88 | +1·11 | 0·8 | −1·0 | 9 | 1000 |
| **10.** IRELAND, SOUTH ... | 58 | 32 | 52·5 | 45·6 | 49·1 | + 6·7 | 50 | + 29 | 0 | −17 | 6 | + 2 | 1·45 | +0·63 | 1·3 | −0·7 | 14 | 1003 |
| **11.** ENGLISH CHANNEL ... | 54 | 41 | 50·7 | 44·1 | 47·4 | + 3·0 | 38 | + 14 | 0 | − 8 | 2 | − 3 | 0·31 | −0·35 | 4·3 | +1·8 | 47 | 1014 |

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 10 Weeks, November 30th, 1913, to February 7th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 57 | 14 | * | * | * | * | 99 | + 25 | 261 | − 72 | 50 | − 3 | 15·57 | +2·44 | 0·7 | −0·1 | 9 | |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 59 | 5 | * | * | * | * | 97 | + 25 | 327 | − 74 | 37 | − 4 | 5·45 | −0·69 | 1·1 | −0·2 | 15 | |
| **2.** ENGLAND, N.E. ... ... | 58 | 9 | * | * | * | * | 136 | + 54 | 244 | − 83 | 30 | − 7 | 2·81 | −1·61 | 1·3 | −0·2 | 17 | |
| **3.** ENGLAND, EAST ... | 57 | 19 | * | * | * | * | 135 | + 45 | 253 | −120 | 29 | −10 | 2·37 | −1·78 | 1·6 | −0·1 | 20 | |
| **4.** MIDLAND COUNTIES ... | 61 | 15 | * | * | * | * | 154 | + 51 | 278 | − 97 | 28 | −10 | 2·53 | −2·60 | 1·2 | −0·2 | 15 | |
| **5.** ENGLAND, S.E. ... ... | 58 | 10 | * | * | * | * | 168 | + 32 | 243 | − 32 | 26 | −13 | 3·22 | −2·20 | 1·8 | +0·2 | 22 | |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 57 | 18 | * | * | * | * | 120 | + 12 | 218 | − 43 | 45 | − 2 | 9·23 | −1·98 | 0·8 | −0·4 | 10 | |
| **7.** ENGLAND, N.W. ... ... | 58 | 16 | * | * | * | * | 162 | + 53 | 170 | − 93 | 33 | − 9 | 5·47 | −1·65 | 1·0 | −0·2 | 13 | |
| **8.** ENGLAND, S.W. ... ... | 58 | 11 | * | * | * | * | 196 | + 16 | 189 | − 8 | 36 | − 9 | 5·82 | −3·30 | 1·4 | −0·2 | 17 | |
| **9.** IRELAND, NORTH ... | 57 | 17 | * | * | * | * | 175 | + 41 | 145 | − 83 | 43 | − 6 | 7·78 | −0·35 | 0·8 | −0·6 | 11 | |
| **10.** IRELAND, SOUTH ... | 58 | 17 | * | * | * | * | 215 | + 1 | 133 | − 38 | 43 | − 3 | 6·59 | −3·05 | 1·1 | −0·6 | 14 | |
| **11.** ENGLISH CHANNEL ... | 56 | 25 | * | * | * | * | 257 | − 23 | 105 | + 38 | 37 | −12 | 5·43 | −2·29 | 1·8 | −0·3 | 22 | |

THE YEAR.—Aggregates, &c., for the Period of 5 Weeks, January 4th, 1914, to February 7th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 56 | 16 | * | * | * | * | 47 | + 13 | 153 | − 21 | 23 | − 4 | 7·98 | +1·24 | 0·9 | 0·0 | 12 | 1010 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 58 | 15 | * | * | * | * | 52 | + 15 | 172 | − 29 | 20 | 0 | 2·86 | −0·04 | 1·0 | −0·4 | 13 | 1013 |
| **2.** ENGLAND, N.E. ... ... | 58 | 24 | * | * | * | * | 73 | + 32 | 126 | − 39 | 19 | 0 | 1·67 | −0·31 | 1·3 | −0·1 | 16 | 1016 |
| **3.** ENGLAND, EAST ... | 56 | 19 | * | * | * | * | 60 | + 17 | 141 | − 47 | 15 | − 4 | 1·59 | −0·37 | 1·7 | −0·1 | 20 | 1019 |
| **4.** MIDLAND COUNTIES ... | 61 | 15 | * | * | * | * | 79 | + 27 | 157 | − 29 | 14 | − 5 | 1·21 | −1·25 | 1·3 | −0·2 | 16 | 1019 |
| **5.** ENGLAND, S.E. ... ... | 55 | 10 | * | * | * | * | 75 | + 14 | 149 | + 7 | 13 | − 6 | 1·52 | −1·05 | 2·1 | +0·5 | 25 | 1020 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 55 | 18 | * | * | * | * | 63 | + 11 | 124 | − 10 | 22 | − 1 | 4·64 | −0·64 | 0·5 | −0·7 | 6 | 1015 |
| **7.** ENGLAND, N.W. ... ... | 58 | 22 | * | * | * | * | 86 | + 36 | 107 | − 27 | 16 | − 5 | 2·61 | −0·82 | 1·1 | −0·2 | 14 | 1017 |
| **8.** ENGLAND, S.W. ... ... | 58 | 19 | * | * | * | * | 90 | + 6 | 116 | + 12 | 17 | − 5 | 2·53 | −1·61 | 1·4 | −0·3 | 17 | 1018 |
| **9.** IRELAND, NORTH ... | 57 | 25 | * | * | * | * | 89 | + 22 | 77 | − 39 | 21 | − 3 | 3·84 | −0·05 | 0·7 | −0·7 | 9 | 1012 |
| **10.** IRELAND, SOUTH ... | 58 | 24 | * | * | * | * | 117 | + 14 | 62 | − 24 | 23 | + 1 | 3·85 | −0·62 | 1·2 | −0·5 | 15 | 1015 |
| **11.** ENGLISH CHANNEL ... | 54 | 25 | * | * | * | * | 102 | − 23 | 59 | + 20 | 17 | − 7 | 1·79 | −1·63 | 2·3 | +0·2 | 27 | 1019 |

M.O., February 10, 1914.

## NOTES ON TABLE V.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb. = 29·531 mercury-inches.)

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.: or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH: or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 6. SIXTH WEEK, SUNDAY, FEBRUARY 8TH, TO SATURDAY, FEBRUARY 14TH, 1914. *Price 6d. Annual Subscription, Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

**Barometer, Wind and Weather.** Throughout the week a Southerly to South-Westerly type of conditions prevailed, some of the depressions being deep, and the winds usually fresh to high, sometimes attaining the force of a gale. On the 8th, and again on the 11th and 14th, the barometer fell to below 28·9 in. over, or in the neighbourhood of, Scotland. Gales were of frequent occurrence on the extreme north and north-west coasts, and on most days from the 11th onward they were experienced very generally in the north and west, and also on many parts of the southern, and some parts of the eastern coasts. An inch or more of rain fell within twenty-four hours at several south-western and western stations. On the 8th there was 1·0 in. at Guernsey; Killarney, Carrick-on-Suir and Valencia had 1·2 in. or 1·3 in. on the 10th, and Llangammarch Wells 1·3 in. on the 12th and 1·0 in. on the 14th. Thunder and lightning were experienced in various localities over a large area in the west and north—as a rule on the 10th, 11th and 12th. At Gordon Castle thunder was heard on the 13th, and at Castlebay and Blacksod Point thunder and lightning occurred on the 14th.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Unusual | Unusual | Very unusual | Very unusual | Very unusual | Very unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual |
| | Rainfall ... | Heavy | Heavy | Moderate | Heavy | Heavy | Heavy | Heavy | Heavy | Very heavy | Heavy | Very heavy | Very heavy |
| | Sunshine ... | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Scanty | Moderate | Scanty | Scanty | Moderate | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 11 weeks from Nov. 30th, 1913. | Warmth ... | 5*3 | 6*2 | 5*2 | 7*3 | 7·4 | 6*4 | 4*2 | 6*3 | 6*4 | 6*2 | 6*4 | 5*4 |
| | Rainfall ... | 5*2 | 4*4 | 1*6 | 2*8 | 1*7 | 2*5 | 4*4 | 4*6 | 2*5 | 4*5 | 3*6 | 4*6 |
| | Sunshine ... | 3*0 | 2*2 | 1*2 | 2*3 | 2*5 | 3*3 | 2*5 | 1*0 | 3*5 | 1*8 | 1*7 | 1*4 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 1912–13. Dec. 1st–March 1st. 13 weeks. | Warmth ... | 5*3 | 5*3 | 6*2 | 5*1 | 6*2 | 7*1 | 8*3 | 6*1 | 6*2 | 9*1 | 8*3 | 8*1 |
| | Rainfall ... | 6*5 | 5*3 | 4*3 | 5*2 | 5*3 | 5*3 | 5*3 | 5*3 | 7*3 | 6*2 | 6*2 | 5*4 |
| | Sunshine ... | 1*6 | 0*7 | 1*8 | 2*7 | 2*9 | 3*6 | 0*9 | 2*4 | 1*8 | 0*8 | 0*8 | 1*9 |
| SPRING, 1913. Mar. 2nd–May 31st. 13 weeks. | Warmth ... | 2*5 | 2*5 | 5*2 | 5*2 | 4*2 | 4*2 | 2*4 | 4*3 | 3*2 | 1*3 | 1*3 | 3*4 |
| | Rainfall ... | 6*2 | 5*3 | 5*4 | 5*2 | 7*3 | 6*1 | 8*2 | 7*3 | 6*1 | 7*2 | 6*1 | 7*3 |
| | Sunshine ... | 3*3 | 2*3 | 1*4 | 2*6 | 2*5 | 2*4 | 1*8 | 1*4 | 0*6 | 2*5 | 1*6 | 0*10 |
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4*3 | 2*4 | 3*5 | 3*5 | 3*5 | 2*6 | 3*4 | 3*5 | 5*5 | 3*5 | 4*4 | 1*6 |
| | Rainfall ... | 2*8 | 1*9 | 0*10 | 1*5 | 0*9 | 1*9 | 2*7 | 3*8 | 1*11 | 1*8 | 2*9 | 1*5 |
| | Sunshine ... | 4*5 | 4*4 | 4*7 | 2*7 | 2*8 | 1*7 | 5*5 | 6*5 | 3*4 | 6*6 | 5*4 | 3*9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6*0 | 8*0 | 8*0 | 10*0 | 11*0 | 11*0 | 6*0 | 9*0 | 9*0 | 8*0 | 9*2 | 11*0 |
| | Rainfall ... | 4*4 | 2*4 | 4*6 | 5*6 | 5*4 | 5*5 | 2*4 | 4*6 | 3*5 | 3*2 | 7*1 | 4*3 |
| | Sunshine ... | 5*4 | 5*6 | 6*3 | 4*1 | 4*3 | 5*2 | 1*4 | 6*3 | 4*6 | 2*5 | 2*6 | 2*4 |

### EXPLANATION OF NOMENCLATURE USED ABOVE.

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—The charts for the current week will be issued with the Statistical Tables for next week.**

(443—19.) Wt. 196—786. 450. 2/14. D & S. G. 17/36.

## II.—DATA from which the SUMMARY in Table V. has been calculated.

| Districts and Names of Stations reporting Temperature of Air and Rainfall. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | Stations reporting Sunshine and Temperature on the Grass and in the Ground. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Aver'age. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| **0.** SCOTLAND. N. | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| *p Baltasound* | *31* | *55* | *12th* | *35* | *10th* | *47·8* | *39·7* | *43·8* | — | *22* | *6* | *7* | *1·05* | — | *1·0* | — | *13* | | | | | | | *Baltasound.* |
| *a* Lerwick | 54 | 47 | *11, 13, 14* | 37 | 10th | 46·1 | 41·0 | 43·6 | + 5·4 | 15 | 3 | 7 | 1·65 | — | 2·9 | + 1·2 | 35 | | | 41·2 | | | | Deerness. |
| *a* Stornoway | 51 | 50 | 13th | 34 | 13th | 45·1 | 36·9 | 41·0 | + 2·0 | 9 | 20 | 7 | 2·54 | + 1·47 | 1·6 | - 0·2 | 19 | | | | | | | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *50* | *13th* | *35* | *12th* | *47·1* | *39·1* | *43·1* | + *1·9* | *20* | *8* | *7* | *1·91* | — | *0·8* | — | *9* | | | | | | | *Castlebay.* |
| *a* Wick | 81 | 49 | 11th | 33 | 9, 10 | 45·1 | 36·4 | 40·8 | + 3·2 | 9 | 22 | 4 | 0·88 | + 0·32 | | | | | | | | | | |
| *p* Strathpeffer | 200 | 49 | 11, 14 | 32 | 10th | 47·0 | 35·0 | 41·0 | + 3·9 | 14 | 28 | 4 | 0·81 | + 0·14 | 2·9 | + 1·0 | 34 | | | | | | | Strathpeffer. |
| *p* Glencarron | 500 | 49 | 13, 14 | 30 | 13th | 46·5 | 33·6 | 40·1 | + 3·6 | 13 | 33 | 7 | 2·04 | + 0·14 | | | | | | | | | | |
| *p* Fort Augustus | 68 | 51 | 10th | 34 | 9th | 47·9 | 36·9 | 42·4 | + 4·7 | 24 | 14 | 6 | 1·16 | + 0·08 | 1·2 | 0·0 | 14 | | | | | | | Fort Augustus. |
| *p* Fort William | 175 | 51 | 14th | 34 | 14th | 47·4 | 36·4 | 41·9 | + 2·8 | 15 | 23 | 7 | 2·48 | + 0·61 | | | | | | | | | | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle | 101 | 53 | 14th | 31 | 10th | 49·6 | 35·6 | 42·6 | + 4·4 | 31 | 18 | 3 | 0·25 | - 0·25 | 2·5 | — | 29 | 3 | 29 | 39·9 | +5·2 | 39·9 | +2·6 | Crathes S. |
| *a* Nairn | 82 | 50 | 10th | 30 | 10th | 46·3 | 33·4 | 39·9 | + 2·5 | 12 | 33 | 4 | 0·51 | + 0·06 | *3·5* | — | *41* | | | | | | | *Gordon Castle* |
| *a* Aberdeen | 46 | 49 | 8, 11, 14 | 34 | 10th | 47·7 | 36·3 | 42·0 | + 4·1 | 16 | 16 | 6 | 0·52 | - 0·02 | 4·9 | — | 47 | | | | | | | Nairn. |
| *a* Balmoral | 930 | 50 | 12th | 30 | 12th | 45·1 | 33·6 | 39·4 | + 5·4 | 9 | 32 | 6 | 1·30 | + 0·63 | 2·8 | + 0·5 | 33 | | | | | 41·3 | +2·6 | Aberdeen. |
| *p* Crieff | 440 | 49 | 11th | 31 | 10th | 45·7 | 35·0 | 40·4 | + 2·7 | 10 | 27 | 7 | 1·99 | + 1·14 | | | | 4 | 26 | | | | | Balmoral. |
| *a* Leith | 18 | 55 | 14th | 34 | 13th | 50·3 | 38·0 | 44·2 | + 5·1 | 32 | 11 | 6 | 0·52 | + 0·14 | 2·7 | — | 31 | | | | | | | Balrudderv. |
| *p* West Linton | 800 | 51 | 14th | 30 | 10th | 46·4 | 33·3 | 39·9 | + 3·5 | 12 | 34 | 7 | 1·18 | — | | | | | | | | | | |
| *p* Marchmont | 498 | 50 | 14th | 32 | 9th | 47·0 | 36·1 | 41·6 | + 4·8 | 14 | 25 | 5 | 0·53 | 0·00 | *1·9* | — | *22* | 3 | 26 | | | | | *West Linton* |
| *Edinburgh* | *441* | *51* | *14th* | *34* | *12, 13* | *47·3* | *37·6* | *42·5* | — | *22* | *12* | *7* | *0·67* | — | 2·1 | 0·0 | 24 | 2 | 24 | 40·4 | +5·6 | | | Marchmont. |
| | | | | | | | | | | | | | | | 3·0 | — | 35 | 3 | 26 | | | | | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 50 | 10th | 33 | 9, 10 | 46·6 | 35·9 | 41·3 | + 2·6 | 13 | 25 | 7 | 1·65 | + 0·72 | | | | | | | | | | |
| *p* Glasgow | 180 | 51 | 14th | 35 | 12th | 47·6 | 39·0 | 43·3 | + 4·8 | 22 | 8 | 7 | 0·79 | + 0·11 | 1·4 | + 0·1 | 16 | 1 | 28 | | | | | Glasgow. |
| *p* Rothesay | 73 | 52 | 14th | 32 | 9th | 47·9 | 38·0 | 43·0 | + 3·5 | 24 | 11 | 6 | 1·45 | + 0·54 | *1·3* | — | *15* | 2 | 29 | 42·3 | | 44·0 | +2·4 | *Rothesay.* |
| *a* Kilmarnock | 90 | 53 | 14th | 34 | 9, 10, 12 | 48·4 | 36·9 | 42·7 | + 3·8 | 28 | 14 | 7 | 0·91 | — | *1·6* | — | *18* | | | | | | | *Kilmarnock.* |
| *a* Colmonell | 150 | 52 | 14th | 32 | 9, 10 | 48·6 | 37·1 | 42·9 | + 4·4 | 27 | 14 | 6 | 1·57 | + 0·65 | | | | | | | | | | |
| *p* Dumfries | 160 | 49 | 8, 11, 14 | 34 | 13th | 47·7 | 38·0 | 42·9 | + 4·3 | 23 | 11 | 7 | 1·38 | + 0·62 | *1·7* | — | *19* | 2 | 30 | 42·1 | | 42·9 | | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 49 | 8, 14 | 32 | 9th | 47·4 | 36·9 | 42·2 | + 3·8 | 23 | 14 | 7 | 1·85 | + 0·85 | | | | | | | | | | |
| *b.* I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 50 | 14th | 36 | 13th | 48·1 | 40·1 | 44·1 | + 3·8 | 23 | 5 | 6 | 1·47 | + 0·37 | 1·2 | - 1·0 | 13 | 0 | 31 | | | | | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 54 | 10th | 35 | 12th | 50·4 | 37·4 | 43·9 | + 5·9 | 33 | 13 | 6 | 0·61 | + 0·13 | 3·5 | — | 39 | 2 | 27 | 40·3 | +4·8 | 42·3 | +4·1 | Cockle Park |
| *a* Shields | 96 | 55 | 10th | 38 | 12th | 51·3 | 41·0 | 46·2 | + 7·4 | 34 | 3 | 6 | 0·29 | - 0·05 | | | | | | | | | | |
| *p* Durham | 336 | 53 | 10th | 36 | 13th | 49·1 | 39·0 | 44·1 | + 6·8 | 27 | 8 | 7 | 0·57 | + 0·24 | 2·5 | + 0·4 | 28 | 0 | 31 | | | | | Durham. |
| *a*, North .. *p* Rounton | 249 | 59 | 10th | 36 | 12th | 51·1 | 40·3 | 45·7 | + 8·6 | 33 | 5 | 6 | 0·58 | + 0·20 | | | | 3 | 28 | 41·6 | | | | Rounton. |
| *a West Witton* | *605* | *53* | *14th* | *36* | *12, 13* | *49·7* | *39·1* | *44·4* | — | *29* | *8* | *7* | *1·82* | — | | | | 0 | 31 | 41·7 | | 41·9 | | *West Witton.* |
| *p* Scarborough | 100 | 59 | 11th | 37 | 9th | 52·1 | 41·0 | 46·6 | + 7·9 | 36 | 3 | 5 | 0·29 | - 0·15 | 3·3 | — | 37 | | | | | 41·5† | | Scarborough. |
| *p* York | 56 | 54 | 14th | 34 | 9th | 51·3 | 40·7 | 46·0 | + 7·7 | 33 | 4 | 5 | 0·59 | + 0·20 | ‖2·3 | + 0·6 | 26 | | | 42·2 | +5·2 | 43·3 | +3·1 | York. |
| *a* Spurn Head | 26 | 53 | 10, 13, 14 | 37 | 11th | 49·7 | 38·6 | 44·2 | + 5·3 | 30 | 10 | 4 | 0·25 | - 0·04 | *2·1* | — | *23* | 1 | 29 | 42·1 | +5·7 | 43·0 | +1·9 | *Hull.* |
| b, South .. *a* Lincoln | 58 | 56 | 14th | 36 | 9, 13 | 52·3 | 39·1 | 45·7 | + 7·8 | 38 | 8 | 5 | 0·20 | - 0·16 | *3·0* | — | *33* | | | | | | | *Spurn Head.* |
| *a* Fulbeck | 180 | 56 | 14th | 34 | 9th | 51·6 | 39·1 | 45·4 | + 7·2 | 36 | 8 | 6 | 0·26 | - 0·12 | | | | | | 42·7 | +7·2 | 43·1 | +3·8 | Lincoln. |
| | | | | | | | | | | | | | | | 2·6 | — | 29 | 1 | 30 | 43·3 | +5·6 | 43·9 | +2·3 | Rauceby. |
| | | | | | | | | | | | | | | | 2·2 | — | 24 | | | | | | | Skegness. |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | *3·2* | — | *35* | 0 | 34 | 41·7 | +3·9 | 42·2 | +1·6 | *Lowestoft.* |
| *p* Cromer | 196 | 57 | 14th | 38 | 13th | 52·4 | 41·1 | 46·8 | + 9·8 | 37 | 3 | 5 | 0·40 | — | 3·2 | — | 35 | | | | | | | Cromer. |
| *p* Little Massingham | 280 | 55 | 14th | 35 | 13th | 50·0 | 41·4 | 45·7 | + 8·1 | 28 | 2 | 6 | 0·56 | + 0·13 | 2·4 | + 0·2 | 26 | 0 | 31 | | | | | Lit. Massingham. |
| *a*, North .. *a* Yarmouth | 17 | 58 | 14th | 37 | 14th | 51·1 | 40·3 | 45·7 | + 8·1 | 33 | 5 | 3 | 0·33 | - 0·01 | 3·1 | — | 34 | 0 | 31 | 40·7 | +3·0 | 42·4 | +1·4 | Yarmouth. |
| *a* Norwich | 93 | 57 | 14th | 37 | 13th | 52 3 | 40·8 | 46·6 | + 9·1 | 37 | 3 | 4 | 0·51 | — | *3·1* | — | *34* | 0 | 31 | 41·9 | | | | *Norwich.* |
| *p* Geldeston | 37 | 58 | 14th | 38 | 13th | 53·1 | 41·6 | 47·4 | + 8·9 | 39 | 1 | 5 | 0·36 | + 0·02 | 3·2 | + 0·9 | 35 | | | | | | | Geldeston. |
| *p* Cambridge | 41 | 58 | 14th | 36 | 13th | 52·7 | 42·3 | 47·5 | + 9·2 | 39 | 0 | 5 | 0·39 | + 0·06 | 2·7 | + 0·4 | 30 | 0 | 31 | 43·4 | +6·6 | 43·8 | +2·9 | Cambridge. |
| *a Feltxstowe* | *10* | *57* | *14th* | *39* | *13th* | *49·7* | *41·3* | *45·5* | + *7·0* | *27* | *2* | *6* | *0·56* | — | *3·5* | — | *39* | | | | | | | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 56 | 14th | 39 | 13, 14 | 48·4 | 41·0 | 44·7 | + 6·2 | 23 | 3 | 5 | 0·54 | — | 3·3 | — | 36 | 0 | 33 | 42·8 | +4·2 | 43·9 | +1·1 | Clacton. |
| b, South .. *a* Rothamsted | 424 | 57 | 14th | 36 | 13th | 52·1 | 40·3 | 46·2 | + 8·6 | 37 | 5 | 6 | 1·10 | + 0·65 | 1·9 | - 0·2 | 20 | | | | | | | Rothamsted. |
| *a Shoeburyness* | *13* | *56* | *14th* | *39* | *13th* | *51·0* | *41·1* | *46·1* | + *7·2* | *32* | *3* | *3* | *0·35* | + *0·07* | *3·3* | — | *36* | 0 | 31 | 43·7 | +5·4 | | | *Southend.* |
| *p* Tottenham | 51 | 56 | 14th | 39 | 13th | 51·0 | 44·6 | 47·8 | + 8·8 | 41 | 0 | 6 | 0·99 | — | 1·5 | — | 16 | 0 | 35 | | | 44·7 | +2·5 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate | 476 | 53 | 14th | 34 | 9th | 49·4 | 37·3 | 43·4 | + 6·4 | 30 | 13 | 6 | 0·68 | + 0·16 | *3·0* | — | *33* | 2 | 30 | 41·6 | +5·6 | 42·8 | +3·0 | *Huddersfield.* |
| *a* Bawtry | 65 | 55 | 14th | 34 | 9th | 51·9 | 38·9 | 45·4 | + 7·2 | 37 | 9 | 6 | 0·30 | - 0·08 | 1·8 | — | 20 | 1 | 29 | 41·6 | +4·5 | 42·2 | +3·2 | Harrogate. |
| *p Buxton* | *987* | *50* | *14th* | *32* | *9th* | *47·0* | *36·4* | *41·7* | + *6·2* | *14* | *23* | *6* | *1·14* | + *0·14* | 1·8 | 0·0 | 20 | 2 | 22 | 43·0 | | 43·3 | | Worksop. |
| *a*, East .. *a* Nottingham | 82 | 56 | 14th | 33 | 10th | 52·7 | 38·3 | 45·5 | + 7·5 | 40 | 10 | *2·5* | — | — | *2·8* | — | *28* | 3 | 28 | 40·8 | +4·9 | 42·6 | +2·0 | *Buxton.* |
| *p* Birmingham, Edgbsn. | 535 | 53 | 10, 14 | 34 | 9th | 50·0 | 39·6 | 44·8 | + 6·8 | 30 | 7 | 7 | 0·35 | - 0·05 | 1·9 | — | 21 | 2 | 28 | 42·7 | +7·1 | 42·1 | +3·9 | Nottingham. |
| *a* Raunds | 204 | 58 | 14th | 34 | 13th | 53·1 | 38·9 | 46·0 | + 8·3 | 41 | 9 | 5 | 0·65 | + 0·23 | 2·2 | — | 24 | 3 | 24 | 43·5 | +5·0 | 45·1 | +2·1 | Birmingham. |
| *p* Oxford | 208 | 57 | 14th | 38 | 13th | 52·0 | 43·0 | 47·5 | + 8·5 | 39 | 0 | 4 | 0·26 | — | *2·8* | — | *31* | 2 | 29 | 43·0 | | 44·5 | | *Raunds.* |
| | | | | | | | | | | | | 6 | 0·72 | + 0·32 | 2·1 | 0·0 | 23 | 0 | 31 | | | | | Oxford. |
| *a* Cheadle | 646 | 53 | 14th | 33 | 9, 13 | 50·4 | 36·6 | 43·5 | + 6·4 | 33 | 15 | — | — | — | 2·7 | — | 30 | 1 | 27 | 42·4 | +6·5 | 43·2 | +3·2 | Sheffield. |
| *p* Shrewsbury | 191 | 56 | 10th | 32 | 9th | 52·4 | 40·3 | 46·4 | + 7·3 | 38 | 5 | 6 | 0·83 | + 0·32 | | | | 2 | 28 | | | | | Cheadle. |
| b, West .. *a* Hereford§ | 291 | 54 | 10, 13, 14 | 32 | 9th | 52·0 | 38·0 | 45·0 | + 6·1 | 38 | 11 | 6 | 1·12 | — | | | | 0 | 29 | | | | | Shrewsbury. |
| *a* Cirencester | 446 | 54 | 11, 14 | 31 | 9th | 51·1 | 36·9 | 44·0 | + 6·3 | 35 | 14 | 6 | 1·25 | + 0·75 | *2·3* | — | *35* | 1 | §29 | 42·8 | | 43·3 | | *Malvern.*§ |
| *a* Bath | 66 | 58 | 14th | 35 | 9th | 54·1 | 40·7 | 47·4 | + 7·4 | 43 | 4 | 7 | 1·32 | + 0·82 | 2·2 | 0·0 | 24 | *0* | 31 | 43·4 | | 44·1 | | Cirencester. |
| | | | | | | | | | | | | 6 | 0·86 | + 0·35 | 2·3 | — | 25 | | | 44·4 | +5·5 | 44·7 | +1·8 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Kew | 18 | 57 | 14th | 39 | 13th | 51·9 | 44·1 | 48·0 | + 8·7 | 42 | 0 | — | — | — | ° | ° | ° | 0 | 33 | 42·6 | +4·6 | 45·3 | +2·6 | Canterbury. |
| *a* Marlborough | 424 | 56 | 14th | 33 | 9th | 51·6 | 38·6 | 45·1 | + 7·2 | 36 | 10 | 6 | 0·98 | + 0·61 | 2·1 | + 0·3 | 23 | 1 | 29 | 43·5 | +4·3 | 43·9 | +1·9 | Kew. |
| *a* Margate | 35 | 55 | 14th | 38 | 13th | 51·7 | 43·3 | 47·5 | + 8·1 | 39 | 0 | 6 | 1·35 | + 0·80 | 1·3 | - 0·6 | 14 | 1 | 25 | | | 44·7 | | Marlborough. |
| *a* Wisley, Surrey | 150 | 57 | 14th | 38 | 13th | 52·3 | 42·1 | 47·2 | + 7·6 | 36 | 0 | 3 | 0·15 | - 0·21 | 2·9 | + 0·7 | 31 | 0 | 36 | 44·3 | +5·9 | 45·4 | +4·6 | Margate. |
| | | | | | | | | | | | | 6 | 1·33 | — | 2·1 | — | 23 | 2 | 27 | 43·4 | +6·2 | 43·2 | +2·0 | Wisley. |
| *p* Salisbury (Wilton) | 180 | 58 | 14th | 36 | 9th | 52·1 | 40·9 | 46·5 | + 7·9 | 36 | 3 | — | — | — | 1·5 | — | 16 | *0* | *36* | *43·9* | +5·6 | 44·3 | +1·7 | Worthing. |
| *a* Tunbridge Wells | 418 | | | | | | | | | | | 7 | 2·02 | + 1·43 | | | | 1 | 30 | 43·9 | | | | Salisbury. |
| *a* Dungeness | 21 | 50 | 10, 14 | 41 | 14th | 48·4 | 43·6 | 46·0 | + 6·5 | 28 | 0 | — | — | — | ° | ° | ° | | | | | | | Tunbridge Wells |
| *p* Hastings | 178 | 51 | 10, 14 | 41 | 9th | 49·1 | 43·6 | 46·4 | + 6·6 | 31 | 0 | 5 | 0·89 | + 0·51 | 2·6 | — | 28 | | | | | | | Littlestone. |
| *p* Southampton | 65 | 56 | 14th | 38 | 13th | 51·6 | 44·0 | 47·8 | + 7·1 | 41 | 0 | 7 | 1·14 | + 0·64 | *1·8* | - *0·7* | *19* | 0 | 34 | 42·8 | | 42·6 | | *Hastings.* |
| *a* Ventnor | 80 | 52 | 10, 14 | 42 | 13th | 49·9 | 43·4 | 46·7 | + 5·1 | 33 | 0 | 7 | 2·23 | + 1·70 | 1·2 | - 1·1 | 13 | 0 | 33 | | | | | Southampton. |
| | | | | | | | | | | | | 7 | 1·70 | + 1·18 | 0·9 | - 1·6 | 10 | 0 | 33 | | | | | Ventnor. |
| | | | | | | | | | | | | — | — | — | *1·4* | — | *15* | 0 | 33 | 44·9 | +5·9 | 45·6 | +2·4 | *Portsmouth.* |
| | | | | | | | | | | | | — | — | — | 2·0 | - 0·4 | 22 | | | 43·7 | | 44·5 | | Eastbourne. |
| | | | | | | | | | | | | — | — | — | *1·0* | — | *11* | | | 43·8 | | 43·5 | | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | — | — | — | *1·6* | — | *17* | 0 | 35 | | | 42·8 | | *Brighton.* |
| *a Westminster* | *27* | *59* | *14th* | *40* | *13th* | *53·6* | *44·3* | *49·0* | + *9·7* | *49* | *0* | *6* | *0·86* | + *0·48* | *2·1* | + *1·1* | *23* | 0 | 34 | | | | | *Westminster.* |
| *a Greenwich* | *155* | *59* | *14th* | *39* | *13th* | *53·3* | *42·6* | *48·0* | + *9·0* | *42* | *0* | *6* | *0·99* | + *0·63* | *2·8* | + *1·0* | *30* | 0 | 31 | | | | | *Greenwich.* |
| *a Hampstead* | *450* | *57* | *14th* | *37* | *13, 14* | *51·3* | *41·0* | *46·2* | — | *34* | *3* | *6* | *1·05* | — | ‖1·6 | — | *17* | 2 | 23 | | | | | *Hampstead.* |
| *a Camden Square* | *110* | *59* | *14th* | *38* | *13th* | *53·1* | *42·1* | *47·6* | — | *39* | *0* | *6* | *1·01* | — | *1·7* | — | *18* | 0 | 33 | | | | | *Camden Square.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | — | — | — | *2·5* | — | *28* | 2 | 28 | 41·6 | +5·7 | 42·8 | +2·8 | *Burnley.* |
| *p* Aspatria | 250 | 51 | 10th | 33 | 12th | 48·7 | 38·9 | 43·8 | + 6·1 | 26 | 9 | — | — | — | 2·7 | — | 30 | | | | | | | Hoylake. |
| *p* Newton Rigg | 559 | 54 | 14th | 34 | 12, 13 | 48·7 | 37·1 | 42·9 | + 6·3 | 27 | 14 | 7 | 1·32 | + 0·72 | 2·5 | — | 28 | 0 | 31 | 43·3 | | 44·4 | | Aspatria. |
| *p* Stonyhurst | 375 | 52 | 10th | 37 | 9, 13 | 49·1 | 41·3 | 45·2 | + 7·2 | 25 | 2 | 7 | 2·31 | + 1·57 | 1·6 | - 0·3 | 18 | 4 | 26 | 42·2 | +5·4 | 42·4 | +3·0 | Newton Rigg. |
| *p* Blackpool | 66 | 53 | 10th | 37 | 9th | 49·9 | 41·6 | 45·8 | + 7·1 | 28 | 1 | 6 | 1·43 | + 0·60 | 2·3 | + 0·5 | 26 | 3 | 26 | | | | | Stonyhurst. |
| *p* Manchester (Whit. Pk.) | 125 | 55 | 14th | 35 | 9th | 51·7 | 41·6 | 46·7 | + 7·4 | 35 | 1 | 6 | 1·08 | + 0·52 | 2·0 | + 0·1 | 22 | 0 | 32 | 43·6 | | 45·1 | | Blackpool. |
| *a* Liverpool (Bidston) | 188 | 56 | 14th | 36 | 9th | 51·0 | 38·9 | 45·0 | + 5·6 | 34 | 9 | 6 | 0·58 | + 0·12 | *2·2* | + *1·2* | *24* | | | | | | | *Whit. Park.* |
| *a Hawarden Bridge* | *22* | *57* | *14th* | *31* | *9th* | *53·4* | *38·3* | *45·9* | + *5·8* | *43* | *10* | *6* | *0·62* | + 0·18 | *2·9* | — | *32* | | | | | | | *Liverpool.* |
| | | | | | | | | | | | | *6* | *0·96* | + *0·60* | *2·5* | — | *28* | 3 | 29 | 42·1 | +6·4 | 43·1 | +4·2 | *Southport.* |
| b, NORTH WALES. | | | | | | | | | | | | — | — | — | *1·7* | — | *19* | 0 | 31 | 43·6 | +7·5 | 45·4 | +4·2 | *Manchester (City).* |
| *p* Llandudno | 71 | 56 | 14th | 40 | 9, 12, 13 | 51·3 | 42·4 | 46·9 | + 5·6 | 34 | 0 | 7 | 1·20 | + 0·68 | 3·1 | + 0·9 | 34 | | | | | | | Llandudno. |
| *a* Holyhead | 57 | 51 | 14th | 38 | 12th | 49·1 | 41·6 | 45·4 | + 4·0 | 25 | 1 | 6 | 1·63 | + 1·01 | *1·9* | — | *21* | | | | | | | *Holyhead.* |
| *p* Bettws-y-Coed | 101 | | | | | | | | | | | — | — | — | ° | | ° | | | | | | | Bettws-y-Coed. |
| | | | | | | | | | | | | — | — | — | 1·7 | — | 19 | | | | | | | Aberdovey |

* For notes see also opposite page.

† At 3 feet.

‖ Hoar frost.

§ The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| Districts and Names of Stations reporting Temperature of Air and Rainfall. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average. | Stations reporting Sunshine and Temperature on the Grass and in the Ground. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Llangammarch Wells | 550 | 53 | 11, 14 | 28 | 9th | 50·4 | 37·0 | 43·7 | + 5·7 | 33 | 14 | 6 | 4·15 | — | 1·9 | — | 21 | | | | | | | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 51 | 13th | 40 | 8, 12, 13 | 48·9 | 41·9 | 45·4 | + 3·3 | 24 | 0 | 6 | 2·11 | + 1·45 | 1·3 | - 1·1 | 14 | | | | | | | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 55 | 10th | 35 | 9th | 51·1 | 42·1 | 46·6 | + 6·9 | 32 | 0 | 6 | 1·73 | + 0·99 | *2·2* | — | *24* | 1 | 29 | 43·7 | +5·1 | 44·4 | +2·4 | Pembroke. |
| | | | | | | | | | | | | | | | | | | | | | | | | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 56 | 14th | 38 | 9, 13 | 52·6 | 41·7 | 47·2 | + 7·2 | 38 | 1 | 6 | 1·34 | + 0·76 | *2·3* | — | *25* | 0 | 31 | | | | | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 56 | 14th | 38 | 8, 12 | 50·0 | 40·0 | 45·0 | + 6·9 | 29 | 6 | 6 | 0·91 | + 0·33 | | | | | | 43·4 | | 43·8 | | Shaftesbury. |
| *a* Arlington .. .. | 613 | 53 | 14th | 33 | 9th | 50·1 | 39·3 | 44·7 | + 5·5 | 30 | 8 | 6 | 2·06 | + 1·10 | | | | | | | | | | Arlington. |
| *a Newquay* .. .. | *190* | *54* | *14th* | *36* | *9th* | *51·3* | *41·7* | *46·5* | *+ 3·2* | *33* | *1* | *6* | *1·40* | *+ 0·75* | 1·1 | - 1·3 | 12 | 1 | 27 | 46·0 | | 46·8 | | Newquay. |
| *a* Cullompton .. .. | 202 | 57 | 14th | 37 | 9, 13 | 52·6 | 41·6 | 47·1 | + 6·9 | 38 | 1 | 7 | 1·03 | + 0·35 | 1·3 | - 0·8 | 14 | 0 | 31 | 45·4 | | | | Cullompton. |
| *a* Portland .. .. | 19 | 52 | 14th | 42 | 13th | 49·4 | 44·0 | 46·7 | + 5·2 | 33 | 0 | 7 | 1·10 | — | *1·0* | — | *11* | | | | | | | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 54 | 11th | 40 | 13th | 51·6 | 44·3 | 48·0 | + 6·0 | 42 | 0 | 6 | 2·37 | + 1·69 | 1·6 | - 0·7 | 17 | 0 | 36 | 46·3 | +5·9 | | | Plymouth. |
| *a* Falmouth .. .. | 167 | 54 | 14th | 38 | 9th | 51·6 | 42·7 | 47·2 | + 4·1 | 36 | 0 | 7 | 2·27 | + 1·37 | 1·3 | - 1·2 | 14 | 1 | 29 | 46·4 | | 47·9 | | Falmouth. |
| **9.** IRELAND. N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. *a* Malin Head .. .. | 208 | 49 | 13th | 33 | 13th | 45·4 | 36·3 | 40·9 | + 0·1 | 10 | 23 | 6 | 1·01 | + 0·46 | | | | | | | | | | |
| *a* Blacksod Point .. | 37 | 53 | 14th | ?34 | 13th | 48·3 | 38·1 | 43·2 | + 0·7 | 25 | 11 | 6 | 2·16 | + 1·21 | | | | | | | | | | |
| *p* Markree Castle .. | 122 | 53 | 14th | 29 | 13th | 47·7 | 33·3 | 40·5 | + 0·7 | 16 | 34 | 6 | 1·95 | + 1·18 | 0·9 | - 1·0 | 10 | 4 | 26 | 42·7 | | 45·0 | | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 56 | 14th | 34 | 13th | 48·7 | 36·6 | 42·7 | + 2·7 | 28 | 15 | 7 | 1·11 | + 0·56 | *1·9* | *- 0·2* | *21* | | | | | | | *Birr Castle.* |
| *b*, East .. *p* Armagh .. | 196 | 53 | 13, 14 | 34 | 9, 13 | 48·7 | 37·0 | 42·9 | + 3·1 | 27 | 14 | 7 | 0·97 | + 0·44 | 2·1 | + 0·1 | 23 | 1 | 29 | 42·4 | +2·7 | 44·9 | +2·3 | Armagh. |
| *a* Donaghadee .. .. | 40 | 53 | 14th | 35 | 13, 14 | 48·7 | 37·3 | 43·0 | + 2·5 | 27 | 13 | 6 | 0·87 | + 0·30 | | | | | | | | | | |
| **10.** IRELAND, S. | | | | | | | | | | | | — | — | — | | | | 3 | 28 | 44·2 | +3·8 | 45·9 | +2·9 | Trinity Coll. |
| *p* Dublin, City .. .. | 47 | 56 | 14th | 36 | 13th | 51·0 | 39·7 | 45·4 | + 3·3 | 33 | 6 | — | — | — | 3·0 | + 0·6 | 33 | 3 | 26 | | | | | Phœnix Park. |
| *a*, East .. *a* Kilkenny .. | 195 | 55 | 13, 14 | 32 | 13th | 50·3 | 36·9 | 43·6 | + 3·0 | 33 | 14 | 6 | 0·89 | + 0·39 | | | | 0 | 35 | | | | | Dublin City. |
| *a* Waterford .. .. | 100 | 52 | 13, 14 | 35 | 13th | 50·1 | 38·1 | 44·1 | + 2·8 | 31 | 11 | 7 | 1·32 | + 0·67 | | | | | | | | | | |
| *a Carrick-on-Suir* .. | *541* | *53* | *14th* | *35* | *9th* | *48·4* | *38·9* | *43·7* | — | *25* | *9* | 7 | 1·78 | + 0·92 | | | | | | | | | | |
| | | | | | | | | | | | | *7* | *2·63* | — | *1·9* | — | *21* | 3 | 28 | | | | | *Carrick-on-Suir.* |
| *a* Birr Castle .. .. | 175 | 56 | 14th | 34 | 13th | 48·7 | 36·6 | 42·7 | + 2·7 | 28 | 15 | 7 | 1·11 | + 0·56 | 1·9 | - 0·2 | 21 | | | | | | | Birr Castle. |
| *b*, West .. *a* Foynes .. .. | 50 | 56 | 14th | 33 | 10th | 49·7 | 36·4 | 43·1 | + 0·8 | 31 | 16 | 7 | 1·29 | + 0·52 | | | | | | | | | | |
| *a* Cahir .. .. | 198 | 54 | 13th | 33 | 12, 13 | 49·6 | 36·4 | 43·0 | + 1·8 | 31 | 16 | 7 | 1·57 | — | | | | | | | | | | |
| *a* Killarney .. .. | 174 | 55 | 13, 14 | 35 | 13th | 50·9 | 39·6 | 45·3 | + 2·8 | 33 | 7 | 7 | 3·42 | + 2·13 | | | | | | | | | | |
| *a* Valencia .. .. | 30 | 54 | 14th | 34 | 13th | 50·3 | 39·3 | 44·8 | + 0·5 | 31 | 8 | 7 | 2·98 | + 1·74 | 0·7 | - 1·6 | 8 | | | | | | | Valencia. |
| *a* Roche's Point .. .. | 32 | 53 | 13th | 38 | 13th | 49·4 | 41·1 | 45·3 | + 2·0 | 27 | 3 | 7 | 2·27 | + 1·31 | 1·1 | — | 12 | | | | | | | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 53 | 14th | 40 | 12th | 51·6 | 43·6 | 47·6 | + 2·4 | 39 | 0 | 6 | 1·07 | + 0·40 | 1·2 | - 1·5 | 13 | | | | | | | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 55 | 14th | 42 | 13th | 51·7 | 44·4 | 48·1 | + 5·5 | 43 | 0 | 5 | 1·56 | + 0·94 | 1·5 | - 1·5 | 16 | | | | | | | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 54 | 14th | 41 | 13th | 51·6 | 43·9 | 47·8 | + 4·4 | 41 | 0 | 7 | 2·27 | + 1·60 | 1·3 | — 1·3 | 14 | 0 | 36 | 45·5 | +3·9 | 45·7 | +0·8 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 1·5 hrs. 16 %; Ramsgate, 2·9 hrs. 31 %; Rhyl, 3·8 hrs. 42 %; Salcombe, 1·6 hrs. 17 %; Tenby, 1·6 hrs. (−0·9) 17 %; Torquay, 1·4 hrs. (−1·1) 15 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA.

Week ending on morning of Saturday, Feb. 14th.

Taken daily at or about sunrise and at 4 p.m.

| District and Station. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 45 | 45 | 45·0 | +2·8 |
| Kirkwall .. .. | 45 | 44 | 44·3 | +3·7 |
| Wick .. .. .. | 45 | 44 | 44·5 | +0·9 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 45 | 39 | 41·3 | +2·6 |
| Pennan Bay .. .. | 44 | 42 | 42·8 | +2·7 |
| Aberdeen, Cove Bay | 43 | 43 | 43·0 | +3·4 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 45 | 44 | 44·7 | +0·9 |
| Ballantrae .. .. | 47 | 42 | 44·2 | +1·8 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 42 | 41 | 41·4 | +2·3 |
| Scarborough .. .. | 44 | 39 | 42·2 | +2·1 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 42 | 40 | 41·3 | +2·2 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 45 | 40 | 42·4 | +3·1 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 47 | 46 | 46·3 | +1·8 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 49 | 48 | 48·5 | +2·7 |
| Scilly .. .. .. | 47 | 47 | 47·0 | — |
| Plymouth‡ .. .. | 48 | 47 | 47·5 | +1·3 |
| Salcombe .. .. | 49 | 48 | 48·2 | +3·2 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 46 | 45 | 45·4 | +0·8 |
| Teelin .. .. .. | 46 | 41 | 44·6 | +0·7 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 46 | 43 | 44·6 | +0·7 |
| Seafield .. .. | 46 | 40 | 43·9 | −1·3 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS.

Week ending at midnight (24h.) on Saturday, Feb. 14th.

| District and Station | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| **1.** SCOTLAND, E. | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| Aberdeen .. .. | 105 | — | — | 8, 11, 13, 14 | 13 | 99 | 56 | SW.by S. 13 | 8th 8h. | 30 14th 6.15 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | 8, 14 | 2 | 8, 10, 11, 13, 14 | 63 | 68 | 35 | S.by W. 19 | 8th 4h. | 32 14th 4.35 |
| Paisley .. .. | 80 | — | — | 8, 11, 13, 14 | 22§ | 75§ | 61§ | S. 16 | 11th 6h. | 33 14th 10.10 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | 11, 12 | 4 | 76 | 88 | S. 13 | 11th 7h. | 20 11th 7.10 |
| South Shields .. | 61 | — | — | 11 to 14 | 19 | 92 | 57 | S. 15 | 12th 22h. | 26 12th 22.35 |
| Spurn Head .. | 40 | 12th | 1 | 8, 11 to 14 | 44 | 88 | 35 | S. by E. 18 | 12th 22h. | 26 12th 21.55 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 8, 11 to 14 | 87 | 67 | 14 | — 16 | 12th 23h. | 33 8th 4.10 |
| Shoeburyness .. .. | 90 | 12th | 3 | 8, 11 to 14 | 61 | 78 | 26 | — 20 | 12th 22h. | 26 12th 22. 0 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | — | — | — | — | 70 | 98 | — 9 | 14th 11h. | 18 13th 2. 0 |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 8, 11 to 14 | 85§ | 35§ | —§ | — 16 | 8th 6h. 14th 2h. | 23 14th 0.35 |
| Warlingham .. | 33 | — | — | 8, 11 to 14 | 39 | 83 | 46 | — 16 | 12th 21h. | 31 12th 20.10 |
| Brighton .. .. | 53 | — | — | 8, 11 to 14 | 26 | 97 | 45 | — 13 | 12th 18h. | 22 12th 21.10 |
| Kew .. .. | 40 | — | — | 12, 14 | 4 | 93 | 71 | — 11 | 12th 20h. | 24 12th ~~10.55~~ 9/21.9 |
| South Kensington | 92 | — | — | 12th | 1 | 76 | 91 | SSW. 11 | 12th 21h. | 19 12th 21.15 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Southport .. | 62 | 8, 14 | 2 | 8, 11 to 14 | 38 | 105 | 23 | WSW. 17 | 14th 6h. | 28 8th 2.40 |
| Holyhead .. .. | 40 | 8, 11 | 3 | 8, 10 to 14 | 63 | 79 | 23 | SSE. 18 | 11th 4h. | 28 11th 3.15 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle | 65 | 10 to 14 | 52 | 8 to 14 | 46 | 44 | 26 | SSW. 27 | 11th 4h. | 39 12th 14.55 |
| Plymouth .. | 88 | 8, 11, 12 | 10 | 8, 10 to 14 | 39 | 49 | 70 | — 21 | 12th 14h. | 33 12th 15.35 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | 14th | 1 | 8, 10 to 14 | 75 | 61 | 28 | — 18 | 11th 1h. | 30 11th 15.20 |
| Roches Point .. | 30 | 10 to 12 | 8§ | 8, 10 to 14 | 40§ | 73§ | 45§ | — 22 | 10th 23h. | 31 12th 17.25 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly .. .. | 19 | 11, 12 | 8 | 9 to 14 | 67 | 63 | 30 | NW. 24 | 12th 19h. | 31 12th 18.50 |

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907–1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

**SIXTH WEEK**—February 8th to February 14th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest. | Lowest. | Means of | | | | Accumulated Number of Day-Degrees. | | | | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | | | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | | | | | | | | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 51 | 30 | 46·4 | 36·6 | 41·5 | + 4·3 | 12 | + 6 | 22 | −20 | 6 | + 1 | 1·65 | +0·41 | 2·2 | +0·6 | 26 | 989 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 55 | 30 | 47·3 | 35·2 | 41·3 | + 4·4 | 15 | + 7 | 28 | −18 | 6 | + 2 | 0·85 | +0·30 | 2·9 | +0·5 | 33 | 993 |
| 2. ENGLAND, N.E. ... ... | 59 | 34 | 51·0 | 39·6 | 45·3 | + 6·6 | 33 | + 23 | 7 | −27 | 6 | + 3 | 0·40 | +0·02 | 2·7 | +0·3 | 30 | 1000 |
| 3. ENGLAND, EAST ... | 58 | 35 | 51·5 | 41·5 | 46·5 | + 8·1 | 34 | + 23 | 1 | −37 | 5 | + 1 | 0·58 | +0·21 | 2·7 | +0·1 | 29 | 1008 |
| 4 MIDLAND COUNTIES ... | 58 | 31 | 51·7 | 39·0 | 45·4 | + 6·8 | 36 | + 24 | 8 | −29 | 6 | + 2 | 0·76 | +0·29 | 2·1 | 0·0 | 23 | 1004 |
| 5. ENGLAND, S.E. ... ... | 57 | 33 | 51·0 | 42·6 | 46·8 | + 6·8 | 34 | + 20 | 0 | −28 | 6 | + 3 | 1·31 | +0·79 | 1·8 | −0·4 | 20 | 1009 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 53 | 32 | 47·8 | 37·7 | 42·8 | + 4·2 | 24 | + 14 | 12 | −20 | 7 | + 2 | 1·35 | +0·37 | 1·3 | −0·7 | 15 | 996 |
| 7. ENGLAND, N.W. ... ... | 56 | 33 | 49·9 | 40·4 | 45·2 | + 5·6 | 29 | + 18 | 4 | −24 | 6 | + 2 | 1·27 | +0·65 | 2·3 | +0·3 | 25 | 999 |
| 8. ENGLAND, S.W. ... ... | 57 | 28 | 50·8 | 41·5 | 46·2 | + 5·0 | 32 | + 16 | 1 | −22 | 6 | + 2 | 1·91 | +1·15 | 1·4 | −0·9 | 16 | 1003 |
| 9. IRELAND, NORTH ... | 56 | 29 | 47·9 | 36·4 | 42·2 | + 1·8 | 25 | + 11 | 16 | − 9 | 6 | + 1 | 1·35 | +0·64 | 1·5 | −0·6 | 17 | 992 |
| 10. IRELAND, SOUTH ... | 56 | 32 | 50·0 | 38·2 | 44·1 | + 2·0 | 31 | + 11 | 11 | − 8 | 7 | + 2 | 1·85 | +1·05 | 1·7 | −0·6 | 18 | 996 |
| 11. ENGLISH CHANNEL ... | 55 | 40 | 51·6 | 44·0 | 47·8 | + 3·8 | 41 | + 17 | 0 | −10 | 6 | + 2 | 1·63 | +0·99 | 1·3 | −1·5 | 14 | 1006 |

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 11 Weeks, November 30th, 1913, to February 14th, 1914.

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 57 | 14 | * | * | * | * | 111 | + 31 | 283 | − 92 | 56 | − 2 | 17·22 | +2·85 | 0·8 | −0·1 | 11 | |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 59 | 5 | * | * | * | * | 112 | + 32 | 355 | − 92 | 43 | − 2 | 6·30 | −0·39 | 1·3 | +0·1 | 17 | |
| 2. ENGLAND, N.E. ... ... | 59 | 9 | * | * | * | * | 169 | + 77 | 251 | −110 | 36 | − 4 | 3·21 | −1·59 | 1·4 | −0·2 | 18 | |
| 3. ENGLAND, EAST ... | 58 | 19 | * | * | * | * | 169 | + 68 | 254 | −157 | 34 | − 9 | 2·95 | −1·57 | 1·7 | −0·1 | 21 | |
| 4. MIDLAND COUNTIES ... | 61 | 15 | * | * | * | * | 190 | + 75 | 286 | −126 | 34 | − 8 | 3·29 | −2·31 | 1·3 | −0·2 | 16 | |
| 5. ENGLAND, S.E. ... ... | 58 | 10 | * | * | * | * | 202 | + 52 | 243 | − 60 | 32 | −10 | 4·53 | −1·41 | 1·8 | +0·1 | 22 | |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 57 | 18 | * | * | * | * | 144 | + 26 | 230 | − 63 | 52 | 0 | 10·58 | −1·61 | 0·8 | −0·5 | 11 | |
| 7. ENGLAND, N.W. ... ... | 58 | 16 | * | * | * | * | 191 | + 71 | 174 | −117 | 39 | − 7 | 6·74 | −1·00 | 1·1 | −0·2 | 14 | |
| 8. ENGLAND, S.W. ... ... | 58 | 11 | * | * | * | * | 228 | + 32 | 190 | − 30 | 42 | − 7 | 7·73 | −2·15 | 1·4 | −0·3 | 17 | |
| 9. IRELAND, NORTH ... | 57 | 17 | * | * | * | * | 200 | + 52 | 161 | − 92 | 49 | − 5 | 9·13 | +0·29 | 0·9 | −0·6 | 11 | |
| 10. IRELAND, SOUTH ... | 58 | 17 | * | * | * | * | 246 | + 12 | 144 | − 46 | 50 | − 1 | 8·44 | −2·00 | 1·2 | −0·6 | 15 | |
| 11. ENGLISH CHANNEL ... | 56 | 25 | * | * | * | * | 298 | − 6 | 105 | + 28 | 43 | −10 | 7·06 | −1·30 | 1·8 | −0·4 | 21 | |

THE YEAR.—Aggregates, &c., for the Period of 6 Weeks, January 4th, 1914, to February 14th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 56 | 16 | * | * | * | * | 59 | + 19 | 175 | − 41 | 29 | − 3 | 9·63 | +1·65 | 1·1 | +0·1 | 15 | 1006 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 58 | 15 | * | * | * | * | 67 | + 22 | 200 | − 47 | 26 | + 2 | 3·71 | +0·26 | 1·3 | −0·3 | 17 | 1009 |
| 2. ENGLAND, N.E. ... ... | 59 | 24 | * | * | * | * | 106 | + 55 | 133 | − 66 | 25 | + 3 | 2·07 | −0·29 | 1·5 | −0·1 | 19 | 1014 |
| 3. ENGLAND, EAST ... | 58 | 19 | * | * | * | * | 94 | + 40 | 142 | − 84 | 20 | − 3 | 2·17 | −0·16 | 1·8 | −0·1 | 22 | 1017 |
| 4. MIDLAND COUNTIES ... | 61 | 15 | * | * | * | * | 115 | + 51 | 165 | − 58 | 20 | − 3 | 1·97 | −0·96 | 1·4 | −0·2 | 17 | 1017 |
| 5. ENGLAND, S.E. ... ... | 57 | 10 | * | * | * | * | 109 | + 34 | 149 | − 21 | 19 | − 3 | 2·83 | −0·26 | 2·0 | +0·3 | 24 | 1018 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 55 | 18 | * | * | * | * | 87 | + 25 | 136 | − 30 | 29 | + 1 | 5·99 | −0·27 | 0·6 | −0·8 | 8 | 1012 |
| 7. ENGLAND, N.W. ... ... | 58 | 22 | * | * | * | * | 115 | + 54 | 111 | − 51 | 22 | − 3 | 3·88 | −0·17 | 1·3 | −0·1 | 16 | 1014 |
| 8. ENGLAND, S.W. ... ... | 58 | 19 | * | * | * | * | 122 | + 22 | 117 | − 10 | 23 | − 3 | 4·44 | −0·46 | 1·4 | −0·4 | 17 | 1016 |
| 9. IRELAND, NORTH ... | 57 | 25 | * | * | * | * | 114 | + 33 | 93 | − 48 | 27 | − 2 | 5·19 | +0·59 | 0·8 | −0·7 | 11 | 1009 |
| 10. IRELAND, SOUTH ... | 58 | 24 | * | * | * | * | 148 | + 25 | 73 | − 32 | 30 | + 3 | 5·70 | +0·43 | 1·3 | −0·5 | 15 | 1011 |
| 11. ENGLISH CHANNEL ... | 55 | 25 | * | * | * | * | 143 | − 6 | 59 | + 10 | 23 | − 5 | 3·42 | −0·64 | 2·1 | −0·1 | 25 | 1017 |

M.O., February 17, 1914.

## NOTES ON TABLE V.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb. = 29·531 mercury-inches.)

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 25

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) } No. 7. SEVENTH WEEK, SUNDAY, FEBRUARY 15TH, TO SATURDAY, FEBRUARY 21ST, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

**Barometer, Wind and Weather.** The centres of a series of large cyclonic disturbances from the Atlantic moved in a general north-easterly direction between Scotland and Ireland, while some of their secondaries passed directly over these Islands. Strong winds from between South and South-West were experienced over a large area daily, and gales occurred in many districts, mostly in the west and south. At the end of the week, when a depression of unusual depth was spreading over the Kingdom, the wind rose to a gale on almost all parts of the coast. Precipitation was very frequent and sometimes heavy. Falls of an inch or more in 24 hours were reported in several localities. On the 17th Blacksod Point reported 1·3 in.; on the 20th Poltalloch and Colmonell 1·0 in.; and on the 21st Marlborough, Salisbury and Waterford reported 1·1 in. and Carrick-on-Suir and Roche's Point about 1·25 in. On some days sleet or snow fell. Thunder and lightning occurred in various localities, mostly on the 21st. Aurora was observed at Aberdeen on the 19th.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Unusual | Unusual | Moderate | Unusual | Moderate | Unusual | Moderate | Moderate | Moderate | Moderate |
| | Rainfall ... | Moderate | Heavy | Moderate | Very heavy | Heavy | Very heavy | Very heavy | Heavy | Heavy | Very heavy | Very heavy | Very heavy |
| | Sunshine ... | Moderate | Moderate | Moderate | Scanty | Scanty | Scanty | Moderate | Moderate | Moderate | Moderate | Moderate | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 12 weeks from Nov. 30th, 1913. | Warmth ... | 5 * 3 | 6 * 2 | 6 * 2 | 8 * 3 | 7 · 4 | 7 * 4 | 4 * 2 | 7 * 3 | 6 * 4 | 6 * 2 | 6 * 4 | 5 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 6 | 3 * 8 | 2 * 7 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 1 * 6 | 5 * 6 |
| | Sunshine ... | 3 * 0 | 2 * 2 | 1 * 2 | 2 * 4 | 2 * 6 | 3 * 4 | 2 * 5 | 1 * 0 | 3 * 5 | 1 * 8 | 1 * 7 | 1 * 5 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 1912–13. Dec. 1st–March 1st. 13 weeks. | Warmth ... | 5 * 3 | 5 * 3 | 6 * 2 | 5 * 1 | 6 * 2 | 7 * 1 | 8 * 3 | 6 * 1 | 6 * 2 | 9 * 1 | 8 * 3 | 8 * 1 |
| | Rainfall ... | 6 * 5 | 5 * 3 | 4 * 3 | 5 * 2 | 5 * 3 | 5 * 3 | 5 * 3 | 5 * 3 | 7 * 3 | 6 * 2 | 6 * 2 | 5 * 4 |
| | Sunshine ... | 1 * 6 | 0 * 7 | 1 * 8 | 2 * 7 | 2 * 9 | 3 * 6 | 0 * 9 | 2 * 4 | 1 * 8 | 0 * 8 | 0 * 8 | 1 * 9 |
| SPRING, 1913. Mar. 2nd–May 31st. 13 weeks. | Warmth ... | 2 * 5 | 2 * 5 | 5 * 2 | 5 * 2 | 4 * 2 | 4 * 2 | 2 * 4 | 4 * 3 | 3 * 2 | 1 * 3 | 1 * 3 | 3 * 4 |
| | Rainfall ... | 6 * 2 | 5 * 3 | 5 * 4 | 5 * 2 | 7 * 3 | 6 * 1 | 8 * 2 | 7 * 3 | 6 * 1 | 7 * 2 | 6 * 1 | 7 * 3 |
| | Sunshine ... | 3 * 3 | 2 * 3 | 1 * 4 | 2 * 6 | 2 * 5 | 2 * 4 | 1 * 8 | 1 * 4 | 0 * 6 | 2 * 5 | 1 * 6 | 0 *10 |
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| | Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| | Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

(538—19.) Wt. 196—786. 450. 2/14. D & S. G. 17/36.

## II.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.]

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | Mean for the Week. | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Accumulated Heat for the Week (in Day degrees). Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| **0.** SCOTLAND, N. | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr | % | ° | ° | ° | ° | ° | ° | |
| *p Baltasound* | *31* | *50* | *18th* | *31* | *19th* | *45·0* | *35·4* | *40·2* | — | *8* | *25* | *6* | *0·62* | — | 2·7 | — | *31* | | | | | | | *Baltasound.* |
| *a Lerwick* | 54 | 46 | 18th | 32 | 20th | 44·3 | 35·3 | 39·8 | + 1·8 | 6 | 25 | 7 | 1·02 | — | 2·5 | + 0·6 | 38 | | | 39·6 | | | | Deerness. |
| *a Stornoway* | 51 | 47 | 15th | 31 | 19th | 44·6 | 35·3 | 40·0 | + 1·1 | 7 | 26 | 7 | 1·23 | + 0·19 | 2·0 | - 0·1 | 22 | | | | | | | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *48* | *18th* | *37* | *15, 17, 19* | *46·1* | *38·4* | *42·3* | + 1·3 | *17* | *10* | *7* | *1·07* | — | *0·8* | — | *9* | | | | | | | *Castlebay.* |
| *a* Wick | 81 | 45 | 15, 18, 19 | 32 | 17th | 44·0 | 34·0 | 39·0 | + 1·5 | 6 | 29 | 6 | 0·94 | + 0·39 | | | | | | | | | | |
| *p* Strathpeffer | 200 | 46 | 15th | 28 | 21st | 43·4 | 31·7 | 37·6 | + 0·4 | 4 | 37 | 5 | 0·76 | + 0·10 | 2·1 | 0·0 | 33 | | | | | | | Strathpeffer. |
| *p* Glencarron | 500 | 48 | 15th | 25 | 19th | 43·5 | 33·7 | 38·6 | + 2·1 | 4 | 44 | 6 | 1·71 | - 0·08 | | | | | | | | | | |
| *p* Fort Augustus | 68 | 48 | 15, 20 | 23 | 19th | 44·3 | 32·0 | 38 2 | + 0·2 | 6 | 37 | 6 | 0·79 | - 0·23 | 1·2 | - 0·2 | 13 | | | | | | | Fort Augustus. |
| *p* Fort William | 175 | 48 | 15th | 24 | 19th | 43·4 | 33·4 | 38·4 | - 0·7 | 4 | 31 | 7 | 1·91 | + 0·11 | | | | | | | | | | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle | 101 | 48 | 15, 21 | 31 | 19th | 46·9 | 34·4 | 40·7 | + 2·4 | 14 | 30 | 3 | 0·12 | - 0·40 | 3·9 | — | 43 | 4 | 21 | 37·8 | +2·5 | 40·9 | +3·7 | Crathes S. |
| *a* Nairn | 82 | 45 | 20, 21 | 26 | 20th | 43·4 | 31·3 | 37·4 | 0 0 | 4 | 39 | 6 | 0·18 | - 0·27 | *4·5* | — | *50* | | | | | | | *Gordon Castle.* |
| *a* Aberdeen | 46 | 47 | 15th | 30 | 20, 21 | 45·0 | 33·7 | 39·4 | + 1·5 | 8 | 32 | 4 | 0·75 | + 0·22 | 3·6 | — | 40 | | | | | | | Nairn. |
| *a* Balmoral | 930 | 46 | 15th | 19 | 19, 20 | 41·7 | 28·7 | 35·2 | + 1·2 | 0 | 48 | 5 | 0·98 | + 0·32 | 3·3 | + 0·8 | 36 | | | | | | | Aberdeen. |
| *p* Crieff | 440 | 50 | 15th | 29 | 17, 19 | 43·7 | 33·3 | 38·5 | + 0·6 | 5 | 32 | 7 | 2·09 | + 1·26 | | | | | | | | | | |
| *a* Leith | 18 | 49 | 15th | 29 | 19th | 45·6 | 35·7 | 40·7 | + 1·5 | 10 | 25 | 6 | 0·53 | + 0·16 | 3·1 | — | 34 | 5 | 14 | | | | | Balmoral. |
| *p* West Linton | 800 | 46 | 16th | 26 | 19th | 42·4 | 32·6 | 37·5 | + 1·0 | 1 | 33 | 6 | 1·17 | — | | | | | | | | | | Balruddery. |
| *p* Marchmont | 494 | 51 | 15th | 29 | 19th | 44·7 | 33·3 | 39·0 | + 2·0 | 8 | 32 | 5 | 0·89 | + 0·37 | *1·3* | — | *14* | | | | | | | |
| *Edinburgh* | *441* | *53* | *15th* | *32* | *19th* | *44·7* | *35·9* | *40·3* | — | *8* | *23* | *5* | *0·66* | — | 2·3 | 0·0 | 25 | 3 | 23 | | | | | *West Linton* |
| | | | | | | | | | | | | | | | 2·8 | + 0·9 | 30 | 4 | 23 | 38·9 | +3·2 | | | Marchmont. |
| | | | | | | | | | | | | | | | | | | 3 | 21 | | | | | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 45 | 17th | 31 | 19th | 42·3 | 34·3 | 38·3 | - 0·5 | 1 | 27 | 7 | 3·02 | + 2·13 | | | | | | | | | | |
| *p* Glasgow | 180 | 53 | 15th | 35 | 17, 19 | 45·9 | 37·0 | 41·5 | + 2·9 | 11 | 21 | 7 | 1·30 | + 0·63 | 1·0 | - 0·5 | 11 | 2 | 29 | | | | | Glasgow. |
| *p* Rothesay | 73 | 53 | 15th | 33 | 17, 18 | 46·3 | 35·7 | 41·0 | + 1·4 | 12 | 25 | 7 | 2·75 | + 1·87 | *0·7* | — | *8* | 4 | 28 | 40·6 | | 43·8 | +2·0 | *Rothesay.* |
| *a* Kilmarnock | 90 | 47 | 15, 20 | 33 | 19th | 44·7 | 36·4 | 40·6 | + 1·8 | 8 | 22 | 7 | 1·70 | — | *0·6* | — | *7* | | | | | | | *Kilmarnock.* |
| *a* Colmonell | 150 | 48 | 16th | 33 | 19th | 45·4 | 37·4 | 41·4 | + 3·0 | 10 | 18 | 6 | 2·89 | + 2·00 | | | | 0 | 32 | | | | | |
| *p* Dumfries | 160 | 50 | 15th | 30 | 17, 18 | 46·6 | 34·3 | 40·5 | + 1·7 | 13 | 31 | 5 | 1·55 | + 0·79 | 2·2 | — | *23* | 4 | 26 | 43·6 | | 42·8 | | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 48 | 15, 16 | 33 | 17, 20 | 46·1 | 35·3 | 40·7 | + 2·2 | 11 | 26 | 6 | 2·08 | + 1·08 | | | | | | | | | | |
| *b.* I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 50 | 15th | 34 | 17th | 46·7 | 37·6 | 42·2 | + 1·9 | 20 | 12 | 6 | 1·37 | + 0·57 | 2·8 | + 0·4 | 30 | 1 | 29 | | | | | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 50 | 15th | 33 | 17, 19 | 46·0 | 36·6 | 41·3 | + 3·2 | 11 | 22 | 5 | 0·39 | - 0·09 | 3·4 | — | 37 | 3 | 27 | 38·8 | +2·4 | 42·1 | +3·7 | Cockle Park |
| *a* Shields | 96 | 54 | 15th | 35 | 17, 18 | 46·9 | 37·9 | 42·4 | + 3·5 | 20 | 11 | 4 | 0·21 | - 0·14 | | | | | | | | | | |
| *p* Durham | 336 | 53 | 15th | 31 | 17th | 46·0 | 34·7 | 40·4 | + 2·9 | 11 | 29 | 5 | 0·52 | + 0·18 | 3·0 | + 0·7 | 32 | 3 | 25 | | | | | Durham. |
| *a* Rounton | 249 | 54 | 15th | 30 | 17th | 47·3 | 34·3 | 40·8 | + 3·5 | 15 | 31 | 5 | 0·72 | + 0·34 | | | | 6 | 22 | 40·8 | | | | Rounton. |
| *a West Witton* | *605* | *48* | *15th* | *33* | *17th* | *43·7* | *36·6* | *40·2* | — | *5* | *20* | *6* | *1·88* | — | | | | 1 | 27 | 40·8 | | 42·0 | | *West Witton.* |
| *p* Scarborough | 100 | 52 | 15th | 34 | 19th | 46·9 | 39·0 | 43·0 | + 3·8 | 20 | 8 | 4 | 0·47 | + 0·03 | 3·0 | — | 32 | | | | | 42·1† | | Scarborough. |
| *p* York | 56 | 57 | 15th | 35 | 17, 19, 21 | 48·0 | 37·0 | 42·5 | + 4·0 | 25 | 14 | 3 | 0·51 | + 0·15 | 1·8 | - 0·2 | 19 | | | 41·8 | +4·2 | 43·6 | +3·5 | York. |
| *a* Spurn Head | 26 | 53 | 15th | 34 | 17, 18 | 47·4 | 37·3 | 42·4 | + 3·5 | 23 | 13 | 4 | 0·31 | + 0·01 | *1·5* | — | *16* | 2 | 26 | 41·0 | +3·7 | 43·6 | +2·8 | *Hull.* |
| *a* Lincoln | 58 | 55 | 15th | 31 | 17, 19 | 48·3 | 36·4 | 42·4 | + 4·0 | 26 | 16 | 3 | 0·35 | - 0·01 | *3·0* | — | *32* | | | | | | | *Spurn Head.* |
| *a* Fulbeck | 180 | 50 | 15th | 31 | 19th | 45·6 | 36·6 | 41·1 | + 2·5 | 10 | 21 | 4 | 0·58 | + 0·21 | | | | | | 41·5 | +5·2 | 43·9 | +4·7 | Lincoln. |
| | | | | | | | | | | | | | | | 3·0 | — | 31 | 3 | 20 | 42·8 | +4·3 | 44·3 | +2·7 | Rauceby. |
| | | | | | | | | | | | | | | | 2·8 | — | 29 | | | | | | | Skegness. |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | *3·4* | — | *25* | 3 | 27 | 41·4 | +3·0 | 43·1 | +2·5 | *Lowestoft.* |
| *p* Cromer | 196 | 55 | 15th | 32 | 19th | 47·6 | 38·4 | 42·0 | + 4·7 | 16 | 16 | 8 | 0·71 | — | 2·9 | — | 30 | | | | | | | Cromer. |
| *p* Little Massingham | 280 | 53 | 15th | 31 | 17, 19 | 46·6 | 34·4 | 40·5 | + 2·5 | 13 | 30 | 6 | 0·79 | + 0·37 | 2·2 | - 0·3 | 23 | 2 | 26 | | | | | Lit. Massingham. |
| *a* Yarmouth | 17 | 57 | 15th | 32 | 18, 19, 20 | 48·0 | 35·6 | 41·8 | + 3·9 | 17 | 27 | 4 | 0·81 | + 0·47 | 2·9 | — | 30 | | | 41·1 | +3·4 | 44·0 | +2·9 | Yarmouth. |
| *a* Norwich | 93 | 57 | 15th | 32 | 17, 19 | 48·0 | 37·7 | 42·9 | + 4·9 | 24 | 12 | 5 | 1·09 | — | *2·5* | — | *26* | 3 | 27 | 41·7 | | | | *Norwich.* |
| *p* Geldeston | 37 | 57 | 15th | 30 | 17th | 49·0 | 37·1 | 43·1 | + 4·5 | 28 | 14 | 4 | 0·94 | + 0·59 | 2·3 | - 0·3 | 24 | | | | | | | Geldeston. |
| *p* Cambridge | 41 | 56 | 15th | 28 | 17th | 49·0 | 34·3 | 41·7 | + 3·0 | 20 | 32 | 5 | 0·59 | + 0·25 | 1·8 | - 0·8 | 19 | 3 | 25 | 43·2 | +4·8 | 44·7 | +3·8 | Cambridge. |
| *a Felixstowe* | *10* | *55* | *15th* | *33* | *17th* | *47·7* | *38·4* | *43·1* | + *4·4* | *23* | *10* | *6* | *0·73* | — | *1·8* | — | *19* | | | | | | | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 53 | 15th | 34 | 19th | 47·3 | 38·0 | 42·7 | + 4·0 | 22 | 11 | 5 | 0·75 | — | 1·7 | — | 18 | 3 | 26 | 43·4 | +4·1 | 44·9 | +2·2 | Clacton. |
| *a* Rothamsted | 424 | 53 | 15th | 28 | 17th | 47·6 | 35·3 | 41·5 | + 3·5 | 16 | 28 | 5 | 1·12 | + 0·67 | 1·3 | - 1·1 | 13 | | | | | | | Rothamsted. |
| *a Shoeburyness* | *13* | *54* | *15th* | *35* | *17, 19* | *48·3* | *39·1* | *43·7* | + *4·5* | *24* | *8* | *5* | *0·63* | + *0·35* | *1·9* | — | *20* | 3 | 26 | 44·3 | +5·1 | | | *Southend.* |
| *p* Tottenham | 51 | 55 | 15th | 35 | 19th | 48·1 | 38·6 | 43·4 | + 4·0 | 24 | 10 | 5 | 1·08 | — | 1·1 | — | 11 | 1 | 30 | | | 45·5 | +3·3 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate | 476 | 51 | 15th | 33 | 17th | 45·7 | 36·9 | 41·3 | + 4·0 | 10 | 20 | 5 | 0·76 | + 0·23 | *1·8* | — | *19* | 0 | 31 | 41·2 | +4·5 | 42·9 | +3·3 | *Huddersfield.* |
| *a* Bawtry | 65 | 54 | 15th | 32 | 17th | 47·6 | 37·1 | 42·4 | + 3·8 | 23 | 14 | 3 | 0·45 | + 0·08 | 2·0 | — | 21 | 2 | 28 | 41·0 | +3·4 | 42·3 | +3·3 | Harrogate. |
| *p Buxton* | *987* | *52* | *15th* | *31* | *19th* | *43·9* | *34·9* | *39·4* | + *3·6* | *5* | *26* | *4* | *1·30* | + *0·35* | 1·9 | - 0·1 | 20 | 4 | 21 | 42·2 | | 43·7 | | Worksop. |
| *a* Nottingham | 82 | 55 | 15th | 30 | 18th | 47·7 | 35·1 | 41·4 | + 2·9 | 16 | 28 | *2·2* | — | — | 2·2 | — | *23* | 3 | 26 | 40·5 | +4·0 | 42·8 | +2·4 | *Buxton.* |
| *p* Birmingham, Edgbsn. | 535 | 51 | 15th | 32 | 17, 19 | 46·1 | 34·7 | 40·4 | + 2·1 | 11 | 28 | 5 | 0·35 | - 0·05 | 1·7 | — | 18 | 3 | 25 | 40·8 | +4·0 | 42·7 | +4·4 | Nottingham. |
| *a* Raunds | 204 | 55 | 15th | 28 | 17th | 48·6 | 34·6 | 41·6 | + 3·2 | 18 | 31 | 5 | 1·03 | + 0·61 | 1·7 | — | 18 | 4 | 21 | 42·4 | +3·1 | 45·3 | +2·4 | Birmingham. |
| *p* Oxford | 208 | 55 | 15th | 32 | 17th | 48·9 | 36·6 | 42·8 | + 3·4 | 28 | 15 | 6 | 0·58 | — | *2·2* | — | *23* | 4 | 21 | 43·5 | | 45·1 | | *Raunds.* |
| | | | | | | | | | | | | 6 | 0·98 | + 0·58 | 1·4 | - 0·9 | 14 | 4 | 25 | | | | | Oxford. |
| *a* Cheadle | 646 | 51 | 15th | 30 | 17, 19 | 45·9 | 33·9 | 39·9 | + 2·5 | 11 | 31 | — | — | — | 2·4 | — | 25 | 2 | 28 | 41·9 | +4·9 | 43·4 | +3·5 | Sheffield. |
| *p* Shrewsbury | 191 | 56 | 15th | 30 | 17, 18 | 49·3 | 34·6 | 42·0 | + 2·5 | 20 | 21 | 5 | 0·89 | + 0·39 | | | | 6 | 26 | | | | | Cheadle. |
| *a* Hereford§ | 291 | 50 | 15, 20 | 28 | 17th | 47·4 | 36·0 | 41·7 | + 2·5 | 15 | 25 | 4 | 0·50 | — | | | | 3 | 29 | | | | | Shrewsbury. |
| *a* Cirencester | 446 | 53 | 15th | 30 | 18th | 47·6 | 33·7 | 40·7 | + 2·7 | 16 | 33 | 4 | 0·93 | + 0·43 | *2·2* | | *23* | 4 | 24 | 41·5 | | 44·0 | | *Malvern.§* |
| *a* Bath | 66 | 55 | 15th | 28 | 17, 18 | 50·0 | 36·1 | 43·1 | + 2·9 | 32 | 17 | 6 | 1·21 | + 0·74 | 1·0 | - 1·5 | 10 | 3 | 27 | 42·9 | | 44·7 | | Cirencester. |
| | | | | | | | | | | | | 5 | 1·50 | + 0·99 | 1·4 | — | 14 | | | 44·1 | +4·4 | 45·5 | +2·6 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Kew | 18 | 55 | 15th | 35 | 17, 19 | 49·0 | 38·1 | 43·6 | + 4·1 | 28 | 11 | 4 | 1·10 | + 0·72 | 1·4 | - 0·6 | 14 | 1 | 26 | 43·4 | +4·6 | 45·3 | +2·7 | Canterbury. |
| *a* Marlborough | 424 | 51 | 15th | 26 | 17th | 47·3 | 34·4 | 40·9 | + 2·6 | 15 | 31 | 5 | 2·31 | + 1·75 | 1·6 | - 0·5 | 17 | 3 | 21 | 43·8 | +5·7 | 44·8 | +2·9 | Kew. |
| *a* Margate | 35 | 54 | 15th | 32 | 19th | 48·4 | 38·0 | 43·2 | + 3·5 | 25 | 11 | 4 | 0·82 | + 0·46 | 1·7 | — | 18 | 4 | 18 | | | 45·2 | | Marlborough. |
| *a* Wisley, Surrey | 150 | 53 | 15th | 32 | 17th | 48·0 | 38·3 | 43·2 | + 3·4 | 24 | 10 | 6 | 0·82 | + 0·46 | 1·7 | — | 18 | 1 | 30 | 44·9 | +5·9 | 46·1 | +5·2 | Margate. |
| | | | | | | | | | | | | 5 | 1·32 | — | 1·3 | — | 13 | 3 | 20 | 43·1 | +4·8 | 44·2 | +3·0 | Wisley. |
| | | | | | | | | | | | | — | — | — | *1·3* | — | 13 | 2 | 27 | *43·8* | +4·5 | 45·1 | +2·6 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 54 | 15th | 29 | 17th | 48·7 | 35·4 | 42·1 | + 3·1 | 28 | 18 | 6 | 2·43 | + 1·85 | | | | 3 | 24 | 44·3 | | | | Salisbury. |
| *a* Tunbridge Wells | 418 | | ‖ | | | | | | | | | — | — | — | | | | | | | | | | Tunbridge Wells. |
| *a* Dungeness | 21 | 51 | 15th | 35 | 18th | 47·6 | 39·9 | 43·8 | + 4·2 | 21 | 6 | 7 | 1·54 | + 1·16 | 1·9 | — | 20 | | | | | | | Littlestone. |
| *p* Hastings | 178 | 50 | 15th | 33 | 19, 20 | 47·7 | 37·6 | 42·7 | + 2·8 | 23 | 12 | 7 | 1·71 | + 1·21 | *1·5* | - *1·2* | *16* | 4 | 26 | 43·2 | | 43·8 | | *Hastings.* |
| *p* Southampton | 65 | 52 | 15th | 31 | 17th | 48·9 | 37·6 | 43·3 | + 2·2 | 28 | 12 | 5 | 1·57 | + 1·05 | 1·3 | - 1·3 | 13 | 3 | 25 | | | | | Southampton. |
| *a* Ventnor | 80 | 50 | 15, 17 | 37 | 19th | 48·4 | 41·0 | 44·7 | + 2·9 | 23 | 3 | 7 | 1·32 | + 0·81 | 1·6 | - 1·2 | 17 | | | | | | | Ventnor. |
| | | | | | | | | | | | | — | — | — | *1·7* | — | *18* | 3 | 22 | 45·0 | +4·9 | 46·7 | +3·5 | *Portsmouth.* |
| | | | | | | | | | | | | — | — | — | 1·3 | - 1·3 | 13 | | | 44·7 | | 45·3 | | Eastbourne. |
| | | | | | | | | | | | | — | — | — | *1·7* | — | *18* | | | 44·0 | | 44·6 | | *Bournemouth.* |
| | | | | | | | | | | | | — | — | — | *1·4* | - *1·3* | *14* | 0 | 33 | | | 43·9 | | *Brighton.* |
| LONDON. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a Westminster* | *27* | *55* | *15th* | *34* | *17th* | *49·6* | *39·7* | *44·7* | + *5·2* | *29* | *6* | *5* | *0·91* | + *0·52* | *1·1* | - *0·1* | *11* | 0 | 31 | | | | | *Westminster.* |
| *a Greenwich* | *155* | *56* | *15th* | *33* | *17, 19* | *49·1* | *38·7* | *43·9* | + *4·5* | *27* | *9* | *6* | *1·11* | + *0·74* | *1·5* | - *0·5* | *16* | 3 | 23 | | | | | *Greenwich.* |
| *a Hampstead* | *450* | *53* | *15th* | *32* | *19th* | *47·4* | *37·3* | *42·4* | — | *23* | *13* | *5* | *1·08* | — | *1·0* | — | *10* | 6 | 18 | | | | | *Hampstead.* |
| *a Camden Square* | *110* | *55* | *15th* | *33* | *19th* | *49·0* | *38·4* | *43·7* | — | *27* | *10* | *5* | *1·03* | — | *0·8* | — | *8* | 1 | 30 | | | | | *Camden Square.* |
| | | | | | | | | | | | | — | — | — | *1·4* | — | *15* | 1 | 30 | 40·8 | +4·1 | 43·0 | +3·2 | *Burnley.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | — | — | — | 2·4 | — | 25 | | | | | | | Hoylake. |
| *p* Aspatria | 250 | 49 | 20th | 33 | 19th | 46·3 | 35·9 | 41·1 | + 3·4 | 12 | 24 | 6 | 2·06 | + 1·49 | 2·6 | — | 28 | 0 | 31 | 42·2 | | 44·3 | | Aspatria. |
| *p* Newton Rigg | 559 | 55 | 15th | 32 | 19th | 45·4 | 34·6 | 40·0 | + 3·4 | 10 | 28 | 6 | 1·52 | + 0·79 | 2·3 | + 0·2 | 25 | 6 | 25 | 41·1 | +3·6 | 42·4 | +3·1 | Newton Rigg. |
| *p* Stonyhurst | 375 | 54 | 15th | 35 | 17-20 | 46·7 | 36·3 | 41·5 | + 3·3 | 13 | 23 | 6 | 1·33 | + 0·53 | 1·4 | - 0·6 | 15 | 3 | 27 | | | | | Stonyhurst. |
| *p* Blackpool | 66 | 50 | 15th | 35 | 20th | 47·0 | 39·3 | 43·2 | + 4·2 | 20 | 8 | 5 | 0·70 | + 0·15 | 1·9 | - 0·3 | 20 | 0 | 31 | 43·2 | | 45·3 | | Blackpool. |
| *p* Manchester (Whit. Pk.) | 125 | 55 | 15th | 34 | 19th | 47·3 | 36·6 | 42·0 | + 2·4 | 15 | 15 | 6 | 0·97 | + 0·53 | *1·8* | + *0·3* | *19* | 3 | 23 | | | | | *Whit. Park.* |
| *a* Liverpool (Bidston) | 188 | 52 | 15th | 35 | 19th | 46·9 | 37·7 | 42·3 | + 3·0 | 20 | 12 | 5 | 0·33 | - 0·10 | *2·3* | — | *24* | | | | | | | *Liverpool.* |
| *a Hawarden Bridge* | *22* | *56* | *15, 17* | *35* | *17th* | *48·3* | *39·1* | *43·7* | + *3·5* | *24* | *8* | *4* | *0·56* | + *0·20* | *2·4* | + *0·1* | *26* | 1 | 28 | 41·6 | +4·6 | 43·3 | +4·2 | *Southport.* |
| | | | | | | | | | | | | — | — | — | *1·5* | — | *16* | 0 | 31 | 42·1 | +4·7 | 45·9 | +4·9 | *Manchester (City).* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 50 | 15th | 37 | 18th | 47·6 | 39·6 | 43·6 | + 2·2 | 21 | 7 | 6 | 0·57 | + 0·07 | 2·3 | - 0·1 | 24 | | | | | | | Llandudno. |
| *a* Holyhead | 57 | 49 | 15, 20 | 38 | 17th | 47·4 | 40·4 | 43·9 | + 2·5 | 20 | 4 | 6 | 1·33 | + 0·75 | *2·5* | — | *26* | | | | | | | *Holyhead.* |
| *p* Bettws-y-Coed | 101 | | | | | | | | | | | — | — | — | | | | | | | | | | Bettws-y-Coed. |
| | | | | | | | | | | | | — | — | — | 2·2 | — | 23 | | | | | | | Aberdovey |

* For notes see also opposite page. † At 3 feet. ‖ Hoar frost. § The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| Districts and Names of Stations reporting Temperature of Air and Rainfall. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | Stations reporting Sunshine and Temperature on the Grass and in the Ground. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Average | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Llangammarch Wells | 550 | 48 | 20th | 29 | 17th | 45·7 | 35·3 | 40·5 | + 2·5 | 10 | 26 | 6 | 1·68 | — | 2·0 | — | 21 | | | | | | | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 51 | 16th | 39 | 16, 18, 19 | 47·6 | 40·9 | 44·3 | + 2·3 | 21 | 3 | 7 | 1·35 | + 0·71 | 2·4 | — | 25 | 4 | ?25 | 42·2 | +3·2 | 45·7 | +3·0 | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 55 | 15th | 32 | 17th | 48·3 | 36·6 | 42·5 | + 2·7 | 26 | 15 | 6 | 1·10 | + 0·37 | 2·1 | — 0·5 | 22 | 3 | 26 | 43·3 | +3·8 | 45·0 | +3·0 | Pembroke. |
| | | | | | | | | | | | | | | | *2·2* | — | *23* | | | | | | | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 51 | 15th | 34 | 17th | 48·3 | 39·3 | 43·8 | + 3·7 | 24 | 8 | 6 | 1·65 | + 1·08 | *1·6* | — | *17* | 1 | 28 | | | | | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 49 | 15th | 31 | 19th | 46·0 | 37·1 | 41·6 | + 3·2 | 11 | 20 | 5 | 1·52 | + 0·95 | | | | | | 43·2 | | 44·5 | | Shaftesbury. |
| *a* Arlington .. .. | 613 | 49 | 20th | 30 | 17th | 46·7 | 34·7 | 40·7 | + 1·4 | 13 | 29 | 6 | 1·41 | + 0·48 | | | | | | | | | | Arlington. |
| *a Newquay* .. .. | *190* | *51* | *20th* | *35* | *17th* | *48·6* | *39·6* | *44·1* | + *0·8* | *25* | *7* | *6* | *1·34* | + *0·70* | 2·1 | — 0·7 | 22 | 2 | 26 | 46·0 | | 47·0 | | Newquay. |
| *a* Cullompton .. .. | 202 | 52 | 15th | 27 | 17th | 48·9 | 35·1 | 42·0 | + 1·6 | 19 | 19 | 5 | 1·52 | + 0·85 | 1·5 | — 0·9 | 16 | 5 | 22 | 44·8 | | | | Cullompton. |
| *a* Portland .. .. | 19 | 51 | 15th | 39 | 19th | 48·1 | 43·0 | 45·6 | + 4·0 | 25 | 0 | 6 | 1·44 | — | *1·8* | — | *18* | | | | | | | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 52 | 15th | 32 | 17th | 49·9 | 38·4 | 44·2 | + 2·1 | 31 | 10 | 5 | 1·49 | + 0·83 | 1·7 | — 1·0 | 17 | 1 | 27 | 45·1 | +3·7 | | | Plymouth. |
| *a* Falmouth .. .. | 167 | 52 | 19th | 35 | 17th | 49·4 | 39·3 | 44·4 | + 1·3 | 28 | 8 | 6 | 2·06 | + 1·19 | 2·7 | — 0·2 | 27 | 3 | 26 | 46·4 | | 48·2 | | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Malin Head .. .. | 208 | 45 | 15, 18, 21 | 33 | 19th | 44·7 | 36·6 | 40·7 | - 0·1 | 8 | 21 | 7 | 1·62 | + 1·08 | | | | | | | | | | |
| *a*, West .. *a* Blacksod Point .. | 37 | 51 | 17th | 36 | 18th | 47·1 | 38·3 | 42·7 | + 0·1 | 20 | 10 | 7 | 2·51 | + 1·62 | | | | | | | | | | |
| *p* Markree Castle .. | 122 | 52 | 15th | 29 | 17th | 47·3 | 33·1 | 40·2 | + 0·2 | 15 | 35 | 7 | 1·13 | + 0·37 | 2·4 | + 0·2 | 26 | 4 | 25 | 41·8 | | 44·7 | | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 49 | 17th | 31 | 17th | 46·3 | 34·9 | 40·6 | + 0·3 | 12 | 28 | 7 | 2·01 | + 1·49 | *2·6* | + *0·3* | *27* | | | | | | | *Birr Castle.* |
| *p* Armagh .. .. | 196 | 55 | 15th | 33 | 17, 18 | 48·0 | 35·1 | 41·6 | + 1·8 | 17 | 29 | 7 | 1·07 | + 0·55 | 2·4 | + 0·2 | 26 | 1 | 29 | 40·8 | +0·6 | 44·1 | +1·5 | Armagh. |
| *b*, East .. *a* Donaghadee .. | 40 | 47 | 15, 17, 21 | 32 | 17, 18 | 46·1 | 35·1 | 40·6 | 0·0 | 11 | 27 | 5 | 1·19 | + 0·63 | | | | | | | | | | |
| | | | | | | | | | | | | — | — | — | | | | 4 | 28 | 43·0 | +1·8 | 45·5 | +2·3 | Trinity Coll. |
| **10.** IRELAND, S. | | | | | | | | | | | | — | — | — | 3·3 | + 0·8 | 34 | 3 | 24 | | | | | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 56 | 15th | 35 | 17th | 49·0 | 37·4 | 43·2 | + 1·0 | 28 | 13 | 4 | 0·83 | + 0·33 | | | | 0 | 33 | | | | | Dublin City. |
| *a*, East .. *a* Kilkenny .. | 195 | 50 | 20th | 29 | 17th | 46·7 | 34·7 | 40·7 | - 0·2 | 13 | 29 | 6 | 1·82 | + 1·18 | | | | | | | | | | |
| *a* Waterford .. | 100 | 50 | 15, 20 | 30 | 17th | 47·6 | 35·9 | 41·8 | + 0·3 | 16 | 26 | 6 | 2·21 | + 1·40 | | | | | | | | | | |
| *a Carrick-on-Suir* .. | *541* | *52* | *15th* | *32* | *17th* | *46·7* | *35·1* | *40·9* | — | *13* | *27* | *6* | *2·34* | — | *3·2* | — | *33* | 2 | 24 | | | | | *Carrick-on-Suir.* |
| *a* Birr Castle .. .. | 175 | 49 | 17th | 31 | 17th | 46·3 | 34·9 | 40·6 | + 0·3 | 12 | 28 | 7 | 2·01 | + 1·49 | 2·6 | + 0·3 | 27 | | | | | | | Birr Castle. |
| *a* Foynes .. .. .. | 50 | 51 | 17th | 33 | 21st | 46·9 | 35·9 | 41·4 | - 1·1 | 14 | 25 | 7 | 2·19 | + 1·44 | | | | | | | | | | |
| *b*, West .. *a* Cahir .. .. | 199 | 49 | 16th | 28 | 17th | 46·1 | 33·4 | 39·8 | - 1·6 | 11 | 33 | 7 | 2·47 | — | | | | | | | | | | |
| *a* Killarney .. .. | 174 | 52 | 17, 19 | 33 | 17th | 49·0 | 36·8 | 42·9 | + 0·3 | 28 | 15 | 7 | 3·06 | + 1·82 | | | | | | | | | | |
| *a* Valencia .. .. | 30 | 51 | 17th | 36 | 17th | 47·9 | 38·7 | 43·3 | - 1·0 | 23 | 9 | 7 | 2·68 | + 1·45 | 3·0 | + 0·5 | 31 | | | | | | | Valencia. |
| *a* Roche's Point .. | 32 | 51 | 19th | 34 | 17th | 48·6 | 38·4 | 43·5 | + 0·1 | 26 | 10 | 7 | 2·32 | + 1·41 | 3·0 | — | 31 | | | | | | | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 52 | 19, 20 | 37 | 19th | 50·1 | 41·9 | 46·0 | + 0·8 | 28 | 0 | 6 | 1·21 | + 0·56 | 2·5 | - 0·5 | 25 | | | | | | | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 52 | 15, 20 | 34 | 17th | 49·6 | 40·9 | 45·3 | + 2·6 | 28 | 3 | 7 | 1·58 | + 1·01 | 1·9 | - 1·3 | 19 | | | | | | | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 51 | 15th | 37 | 17, 19 | 48·6 | 41·6 | 45·1 | + 1·7 | 23 | 1 | 7 | 2·36 | + 1·71 | 1·5 | — 1·5 | 15 | 0 | 33 | 45·2 | +2·9 | 46·5 | +1·8 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 1·6 hrs. 17 %; Ramsgate, 1·9 hrs. 20 %; Rhyl, 2·7 hrs. 28 %; Salcombe, 2·1 hrs. 21 %; Tenby, 2·5 hrs. (-0·3) 26 %; Torquay, 1·9 hrs. (-0·8) 20 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Feb. 21st.

Taken daily at or about sunrise and at 4 p.m.

| District and Station. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 45 | 43 | 44·6 | +2·4 |
| Kirkwall .. .. | 44 | 43 | 43·6 | +2·7 |
| Wick .. .. .. | 45 | 44 | 44·1 | +0·6 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 42 | 37 | 40·5 | +1·4 |
| Pennan Bay .. .. | 44 | 42 | 43·1 | +2·7 |
| Aberdeen, Cove Bay | 43 | 42 | 42·7 | +2·5 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 45 | 45 | 45·0 | +1·1 |
| Ballantrae .. .. | 46 | 42 | 43·7 | +0·9 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 42 | 39 | 40·4 | +1·2 |
| Scarborough .. .. | 45 | 37 | 41·3 | +1·0 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 43 | 42 | 42·5 | +3·1 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 45 | 43 | 44·3 | +4·6 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 47 | 45 | 45·9 | +1·4 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 50 | 49 | 49·1 | +3·6 |
| Scilly .. .. .. | 49 | 47 | 47·5 | — |
| Plymouth‡ .. .. | 48 | 47 | 47·2 | +1·0 |
| Salcombe .. .. | 49 | 47 | 47·8 | +2·6 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 46 | 43 | 45·2 | +0·6 |
| Teelin .. .. .. | 46 | 43 | 44·4 | +0·2 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 45 | 44 | 44·4 | +0·2 |
| Seafield .. .. | 49 | 42 | 45·0 | -0·6 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, Feb. 21st.

| District and Station | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Aberdeen .. .. | 105 | — | — | — | — | 56 | 112 | SW. by S. 10 | 15th 5h. | 19 15th 4 . 50 |
| Rosyth .. .. | 73 | — | — | 15 to 17, 20 | 11 | 83 | 74 | SW. 13 | 17th 21h. | 28 16th 13 . 40 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 15 to 18, 21 | 37 | 85 | 46 | S. by W. 16 | 15th 1h. | 25 15th 5 . 20 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 85 | 83 | S. by W. 10 | 17th 19h. | 23 15th 10 . 30 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | 15th | 4 | 61 | 103 | SW. by W. 12 | 15th 19h. | 23 15th 18 . 50 |
| South Shields .. | 61 | — | — | 15, 16, 21 | 19 | 87 | 62 | W. 16 | 15th 20h. | 25 15th 20 . 20 |
| Spurn Head .. | 40 | — | — | 15, 17, 18, 20, 21 | 31 | 92 | 45 | WSW. 14 | 15th 15h. | 24 15th 14 . 5 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 15, 17, 18, 20, 21 | 39 | 65 | 64 | SW. 15 | 15th 12h. | 22 15th 11 . 10 |
| Shoeburyness .. | 90 | 15, 21 | 3 | 15, 17, 18, 20, 21 | 32 | 56 | 77 | SW. 17 | 15th 8h. | 24 21st 2 . 55 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | — | — | — | — | 31§ | 113§ | — 9 | 15th 15h. | 17 15th 5 . 10 |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | 15th | 5§ | 15, 17, 18, 20, 21 | 45§ | 55§ | 38§ | — 10 | 15th 9h. | 26 15th 10 . 5 |
| Warlingham .. | 33 | — | — | 15, 17, 18, 20, 21 | 30 | 49 | 89 | — 14 | 15th 8h. | 26 15th 9 . 40 |
| Brighton .. .. | 53 | — | — | 15, 21 | 11 | 75 | 82 | — 13 | 21st 4h. | 22 21st 4 . 55 |
| Kew .. .. .. | 40 | — | — | 15th | 6 | 53 | 109 | — 11 | 15th 10h. | 20 15th { 4 . 15 / 9 . 5 |
| South Kensington | 92 | — | — | — | — | 34 | 131 | SW. 9 | 15th 8h. | 18 15th 9 . 50 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Southport .. .. | 62 | 15, 19 | 7 | 15 to 21 | 54 | 104 | 3 | SW. 21 | 15th 14h. | 34 15th 14 . 55 |
| Holyhead .. .. | 40 | 15th | 2 | 15, 17 to 21 | 55 | 98 | 13 | SW. 17 | 15th 10h. | 28 15th 16 . 55 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle .. | 65 | 15, 17, 18, 20, 21 | 32 | 15, 17, 19 to 21 | 47 | 50 | 39 | SSE. 28 | 21st 22h. | 35 21st 22 . 20 |
| Plymouth .. .. | 86 | 21st | 3 | 15, 17, 18, 20, 21 | 32 | 47 | 86 | — 20 | 21st 22h. | 29 21st 22 . 0 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | 15, 21 | 2§ | 15, 17 to 21 | 56§ | 74§ | 18§ | — 18 | 15th 7h. | 28 21st 3 . 30 |
| Roches Point .. | 30 | 19th | 1§ | 15, 17, 19 to 21 | 41§ | 50§ | 71§ | — 18 | 19th 12h. | 27 19th 13 . 0 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly .. .. .. | 19 | 19, 21 | 3 | 15, 17, 21 | 78 | 50 | 37 | SSE. 24 | 21st 21h. | 32 21st 20 . 30 |

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

## [Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**SEVENTH WEEK**—February 15th to February 21st, 1914.

| DISTRICTS. See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Means of | | | | Accumulated Number of Day-Degrees. | | | | | | | | | | | |
| | Highest. | Lowest. | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| **0.** SCOTLAND, NORTH ... | 48 | 23 | 43·9 | 33·6 | 38·8 | + 1·4 | 5 | − 2 | 31 | −10 | 6 | + 1 | 1·19 | +0·06 | 2·0 | −0·1 | 22 | 989 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 51 | 19 | 44·2 | 32·9 | 38·6 | + 1·9 | 6 | − 2 | 34 | −12 | 5 | + 1 | 0·84 | +0·31 | 3·2 | +0·5 | 35 | 992 |
| **2.** ENGLAND, N.E. ... ... | 57 | 30 | 46·9 | 36·6 | 41·8 | + 3·4 | 14 | + 4 | 23 | −12 | 4 | + 1 | 0·45 | +0·10 | 2·8 | +0·2 | 30 | 998 |
| **3.** ENGLAND, EAST ... | 57 | 28 | 47·9 | 36·4 | 42·2 | + 4·0 | 25 | + 14 | 16 | −23 | 5 | + 2 | 0·88 | +0·52 | 2·0 | −0·7 | 21 | 1004 |
| **4** MIDLAND COUNTIES ... | 56 | 28 | 47·7 | 35·4 | 41·6 | + 3·2 | 16 | + 3 | 27 | −12 | 5 | + 2 | 0·84 | +0·41 | 1·7 | −0·7 | 18 | 1002 |
| **5.** ENGLAND, S.E. ... ... | 55 | 26 | 48·2 | 37·8 | 43·1 | + 3·4 | 25 | + 11 | 12 | −18 | 6 | + 2 | 1·57 | +1·10 | 1·5 | −1·2 | 15 | 1005 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 53 | 30 | 45·5 | 36·0 | 40·8 | + 2·0 | 10 | + 1 | 24 | −10 | 6 | + 2 | 2·08 | +1·14 | 1·9 | −0·3 | 20 | 994 |
| **7.** ENGLAND, N.W. ... ... | 55 | 32 | 46·8 | 37·6 | 42·2 | + 2·9 | 20 | + 9 | 12 | −18 | 6 | + 2 | 1·10 | +0·55 | 2·2 | −0·2 | 23 | 999 |
| **8.** ENGLAND, S.W. ... ... | 55 | 27 | 47·9 | 38·0 | 43·0 | + 2·0 | 24 | + 7 | 11 | −13 | 6 | + 3 | 1·52 | +0·80 | 2·1 | −0·6 | 21 | 1002 |
| **9.** IRELAND, NORTH ... | 55 | 29 | 46·6 | 35·5 | 41·1 | + 0·7 | 13 | − 2 | 26 | 0 | 7 | + 3 | 1·59 | +0·94 | 2·4 | 0·0 | 26 | 992 |
| **10.** IRELAND, SOUTH ... | 56 | 28 | 47·6 | 36·2 | 41·9 | 0·0 | 16 | − 5 | 24 | + 3 | 6 | + 2 | 2·18 | +1·40 | 3·0 | +0·4 | 31 | 998 |
| **11.** ENGLISH CHANNEL ... | 52 | 34 | 49·4 | 41·5 | 45·5 | + 1·6 | 27 | + 3 | 1 | −10 | 7 | + 2 | 1·72 | +1·08 | 2·0 | −1·3 | 20 | 1005 |

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 12 Weeks, November 30th, 1913, to February 21st, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 57 | 14 | * | * | * | * | 116 | + 29 | 314 | −102 | 62 | − 1 | 18·41 | +2·91 | 0·9 | −0·2 | 12 | |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 59 | 5 | * | * | * | * | 118 | + 30 | 389 | −104 | 48 | − 1 | 7·14 | −0·08 | 1·4 | −0·2 | 19 | |
| **2.** ENGLAND, N.E. ... ... | 59 | 9 | * | * | * | * | 183 | + 81 | 274 | −122 | 40 | − 3 | 3·66 | −1·49 | 1·6 | −0·1 | 19 | |
| **3.** ENGLAND, EAST ... | 58 | 19 | * | * | * | * | 194 | + 82 | 270 | −180 | 39 | − 7 | 3·83 | −1·05 | 1·7 | −0·2 | 21 | |
| **4.** MIDLAND COUNTIES ... | 61 | 15 | * | * | * | * | 206 | + 78 | 313 | −138 | 39 | − 6 | 4·13 | −1·90 | 1·3 | −0·3 | 16 | |
| **5.** ENGLAND, S.E. ... ... | 58 | 10 | * | * | * | * | 227 | + 63 | 255 | − 78 | 38 | − 8 | 6·10 | −0·31 | 1·8 | 0·0 | 21 | |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 57 | 18 | * | * | * | * | 154 | + 27 | 254 | − 73 | 58 | + 2 | 12·66 | −0·47 | 0·9 | −0·5 | 12 | |
| **7.** ENGLAND, N.W. ... ... | 58 | 16 | * | * | * | * | 211 | + 80 | 186 | −135 | 45 | − 5 | 7·84 | −0·45 | 1·2 | −0·2 | 15 | |
| **8.** ENGLAND, S.W. ... ... | 58 | 11 | * | * | * | * | 252 | + 39 | 201 | − 43 | 48 | − 4 | 9·25 | −1·35 | 1·4 | −0·4 | 17 | |
| **9.** IRELAND, NORTH ... | 57 | 17 | * | * | * | * | 213 | + 50 | 187 | − 92 | 56 | − 2 | 10·72 | +1·23 | 1·0 | −0·6 | 13 | |
| **10.** IRELAND, SOUTH ... | 58 | 17 | * | * | * | * | 262 | + 7 | 168 | − 43 | 56 | + 1 | 10·62 | −0·60 | 1·3 | −0·6 | 16 | |
| **11.** ENGLISH CHANNEL ... | 56 | 25 | * | * | * | * | 325 | − 3 | 106 | + 18 | 50 | − 8 | 8·78 | −0·22 | 1·8 | −0·5 | 21 | |

THE YEAR.—Aggregates, &c., for the Period of 7 Weeks, January 4th, 1914, to February 21st, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 56 | 16 | * | * | * | * | 64 | + 17 | 206 | − 51 | 35 | − 2 | 10·82 | +1·71 | 1·2 | +0·1 | 16 | 1004 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 58 | 15 | * | * | * | * | 73 | + 20 | 234 | − 59 | 31 | + 3 | 4·55 | +0·57 | 1·5 | −0·2 | 20 | 1007 |
| **2.** ENGLAND, N.E. ... ... | 59 | 24 | * | * | * | * | 120 | + 59 | 156 | − 78 | 29 | + 4 | 2·52 | −0·19 | 1·7 | −0·1 | 21 | 1012 |
| **3.** ENGLAND, EAST ... | 58 | 19 | * | * | * | * | 119 | + 54 | 158 | −107 | 25 | − 1 | 3·05 | +0·36 | 1·8 | −0·2 | 22 | 1015 |
| **4.** MIDLAND COUNTIES ... | 61 | 15 | * | * | * | * | 131 | + 54 | 192 | − 70 | 25 | − 1 | 2·81 | −0·55 | 1·4 | −0·3 | 17 | 1015 |
| **5.** ENGLAND, S.E. ... ... | 57 | 10 | * | * | * | * | 134 | + 45 | 161 | − 39 | 25 | − 1 | 4·40 | +0·84 | 2·0 | +0·1 | 23 | 1016 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 55 | 18 | * | * | * | * | 97 | + 26 | 160 | − 40 | 35 | + 3 | 8·07 | +0·87 | 0·8 | −0·7 | 10 | 1009 |
| **7.** ENGLAND, N.W. ... ... | 58 | 22 | * | * | * | * | 135 | + 63 | 123 | − 69 | 28 | − 1 | 4·98 | +0·38 | 1·4 | −0·1 | 17 | 1012 |
| **8.** ENGLAND, S.W. ... ... | 58 | 19 | * | * | * | * | 146 | + 29 | 128 | − 23 | 29 | 0 | 5·96 | +0·34 | 1·5 | −0·4 | 17 | 1014 |
| **9.** IRELAND, NORTH ... | 57 | 25 | * | * | * | * | 127 | + 31 | 119 | − 48 | 34 | + 1 | 6·78 | +1·53 | 1·1 | −0·6 | 13 | 1006 |
| **10.** IRELAND, SOUTH ... | 58 | 24 | * | * | * | * | 164 | + 20 | 97 | − 29 | 36 | + 5 | 7·88 | +1·83 | 1·5 | −0·4 | 18 | 1009 |
| **11.** ENGLISH CHANNEL ... | 55 | 25 | * | * | * | * | 170 | − 3 | 60 | 0 | 30 | − 3 | 5·14 | +0·44 | 2·1 | −0·3 | 24 | 1015 |

M.O., February 24, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb. = 29·531 mercury-inches.)

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 8. EIGHTH WEEK, SUNDAY, FEBRUARY 22ND, TO SATURDAY, FEBRUARY 28TH 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I—Remarks on Wind and Weather.

**Barometer, Wind and Weather.** At the beginning of the week the centre of a large depression advanced unexpectedly from the Atlantic. The system was unusually deep; at Dublin the barometer fell between 9 and 10 a.m. on Sunday as low as 950 millibars, while over the whole of the United Kingdom, except Shetland, the readings were below 982 millibars. The surrounding gradient was steep, and strong to high winds or gales occurred on all parts of the coast, from the Eastward in Scotland, but from the Southward, South-Westward and Westward in most of the English and Irish districts. The disturbance moved rather slowly northward, and became less deep, but did not disperse until the middle of the week. No other depressions of importance passed directly over these Islands, but some large and deep systems arrived in the Icelandic region, and the general direction of the wind over this country was Southerly or South-Westerly, and its force occasionally strong along the western and north-western seaboard. Rain was experienced almost daily over a large area in the extreme west and north of the Kingdom, but in the east and south several days were dry, and some of them exceedingly fine and bright. A few stations in Scotland and the north of Ireland received more than 0·5 in. of rain on the 22nd, but the subsequent falls were, as a rule, moderate to very slight.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Unusual | Unusual | Unusual | Unusual | Moderate | Moderate | Moderate | Unusual | Unusual | Unusual | Unusual | Unusual |
| | Rainfall ... | Moderate | Moderate | Light | Light | Light | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Light |
| | Sunshine ... | Scanty | Moderate | Moderate | Abundant | Moderate | Abundant | Scanty | Abundant | Moderate | Scanty | Moderate | Abundant |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 13 weeks from Nov. 30th, 1913. | Warmth ... | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| | Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 1912–13. Dec. 1st–March 1st. 13 weeks. | Warmth ... | 5 * 3 | 5 * 3 | 6 * 2 | 5 * 1 | 6 * 2 | 7 * 1 | 8 * 3 | 6 * 1 | 6 * 2 | 9 * 1 | 8 * 3 | 8 * 1 |
| | Rainfall ... | 6 * 5 | 5 * 3 | 4 * 3 | 5 * 2 | 5 * 3 | 5 * 3 | 5 * 3 | 5 * 3 | 7 * 3 | 6 * 2 | 6 * 2 | 5 * 4 |
| | Sunshine ... | 1 * 6 | 0 * 7 | 1 * 8 | 2 * 7 | 2 * 9 | 3 * 6 | 0 * 9 | 2 * 4 | 1 * 8 | 0 * 8 | 0 * 8 | 1 * 9 |
| SPRING, 1913. Mar. 2nd–May 31st. 13 weeks. | Warmth ... | 2 * 5 | 2 * 5 | 5 * 2 | 5 * 2 | 4 * 2 | 4 * 2 | 2 * 4 | 4 * 3 | 3 * 2 | 1 * 3 | 1 * 3 | 3 * 4 |
| | Rainfall ... | 6 * 2 | 5 * 3 | 5 * 4 | 5 * 2 | 7 * 3 | 6 * 1 | 8 * 2 | 7 * 3 | 6 * 1 | 7 * 2 | 6 * 1 | 7 * 3 |
| | Sunshine ... | 3 * 3 | 2 * 3 | 1 * 4 | 2 * 6 | 2 * 5 | 2 * 4 | 1 * 8 | 1 * 4 | 0 * 6 | 2 * 5 | 1 * 6 | 0 *10 |
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| | Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| | Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

(592—19.) Wt. 196—786. 450. 3/14. D & S. G. 17/36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean | Difference from Average. | Earth 4 ft. Mean. | Difference from Average. | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr | % | | | | | | | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | *49* | *28th* | *35* | *27th* | *46·0* | *39·3* | *42·7* | — | *16* | *8* | *7* | *1·43* | — | *0·7* | — | *8* | | | | | | | *Baltasound.* |
| *a* Islands .. *a* Lerwick .. | 54 | 49 | 28th | 34 | 27th | 45·3 | 38·6 | 42·0 | + 3·8 | 9 | 10 | 5 | 1·06 | — | 1·8 | - 0·4 | 19 | | | | | | | Deerness. |
| *a* Stornoway .. | 51 | 51 | 28th | 34 | 27th | 46·1 | 37·6 | 41·9 | + 2·8 | 11 | 10 | 6 | 0·65 | - 0·36 | 0·7 | - 1·7 | 7 | | | | | | | Stornoway. |
| *a Castlebay, Barra Isd.* .. | *37* | *50* | *28th* | *38* | *23rd* | *47·1* | *41·1* | *44·1* | + *3·0* | *18* | *3* | *6* | *0·81* | — | *1·0* | — | *10* | | | | | | | *Castlebay.* |
| *a* Wick .. .. .. | 81 | 52 | 28th | 33 | 25-27 | 45·6 | 36·1 | 40·9 | + 3·1 | 10 | 24 | 3 | 0·32 | - 0·21 | | | | | | | | | | |
| *b*, Main- *p* Strathpeffer .. | 200 | 53 | 28th | 32 | 27th | 46·0 | 34·7 | 40·4 | + 2·9 | 11 | 29 | 4 | 0·23 | - 0·41 | 1·8 | - 0·6 | 19 | | | | | | | Strathpeffer. |
| land. *p* Glencarron .. .. | 500 | 52 | 28th | 30 | 27th | 46·3 | 34·6 | 40·5 | + 3·7 | 12 | 29 | 5 | 0·83 | - 0·94 | | | | | | | | | | |
| *p* Fort Augustus.. | 68 | 52 | 27th | 29 | 27th | 47·7 | 36·3 | 42·0 | + 3·8 | 16 | 16· | 3 | 0·28 | - 0·71 | 1·7 | - 0·2 | 18 | | | | | | | Fort Augustus. |
| *p* Fort William .. | 175 | 50 | 24th | 30 | 27th | 47·4 | 36·3 | 41·9 | + 2·7 | 15 | 24 | 6 | 1·43 | - 0·31 | | | | | | | | | | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | — | — | — | 1·5 | — | 16 | 5 | 20 | 37·3 | 0·0 | 39·0 | +3·0 | Crathes S. |
| *p* Gordon Castle .. .. | 101 | 58 | 28th | 32 | 25th | 50·0 | 35·4 | 42·7 | + 4·0 | 33 | 18 | 2 | 0·28 | - 0·24 | *3·3* | — | *34* | | | | | | | *Gordon Castle.* |
| *a* Nairn .. .. .. | 82 | 56 | 28th | 29 | 27th | 47·4 | 31·7 | 39·6 | + 1·6 | 15 | 40 | 3 | 0·13 | - 0·32 | 3·4 | — | 35 | | | | | | | Nairn. |
| *a* Aberdeen .. .. | 46 | 51 | 28th | 30 | 25th | 47·4 | 35·3 | 41·4 | + 3·1 | 15 | 28 | 2 | 0·27 | - 0·26 | 2·3 | - 0·5 | 24 | | | | | 40·8 | +1·9 | Aberdeen. |
| *a* Balmoral .. .. | 930 | 53 | 28th | 23 | 25th | 45·3 | 31·0 | 38·2 | + 3·9 | 9 | 41 | 2 | 0·78 | + 0·13 | | | | 5 | 20 | | | | | Balmoral. |
| *p* Crieff .. .. .. | 440 | 48 | 28th | 30 | 27th | 44·6 | 34·0 | 39·3 | + 1·0 | 7 | 30 | 5 | 0·80 | + 0·01 | 1·9 | — | 20 | | | | | | | Balruddery. |
| *a* Leith .. .. .. | 18 | 56 | 28th | 30 | 26th | 48·6 | 32·9 | 40·8 | + 1·2 | 18 | 37 | 2 | 0·26 | - 0·11 | | | | | | | | | | |
| *p* West Linton .. .. | 800 | 50 | 28th | 22 | 25, 26 | 45·0 | 27·6 | 36·3 | - 0·5 | 8 | 53 | 4 | 0·48 | — | *1·5* | — | *15* | 6 | 18 | | | | | *West Linton* |
| *p* Marchmont .. .. | 494 | | | | | | | | | | | — | — | — | | | | | | | | | | Marchmont |
| *Edinburgh* .. .. | *441* | *54* | *28th* | *33* | *25th* | *47·6* | *35·7* | *41·7* | — | *16* | *26* | *2* | *0·21* | — | 3·3 | + 1·1 | 33 | 5 | 25 | | | | | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch .. .. | 132 | 48 | 24, 25, 28 | 30 | 27th | 46·1 | 35·6 | 40·9 | + 1·9 | 11 | 26 | 6 | 1·27 | + 0·40 | | | | | | | | | | |
| *p* Glasgow .. .. | 180 | 50 | 28th | 33 | 27th | 46·6 | 37·6 | 42·1 | + 3·1 | 19 | 12 | 5 | 0·70 | + 0·05 | 1·1 | - 0·6 | 11 | 3 | 25 | | | | | Glasgow. |
| *p* Rothesay .. .. | 73 | 48 | 24, 28 | 31 | 25, 27 | 46·0 | 35·4 | 40·7 | + 0·8 | 11 | 26 | 6 | 1·36 | + 0·51 | *1·2* | | *12* | 2 | 29 | 40·7 | | 43·1 | +1·1 | *Rothesay.* |
| *a* Kilmarnock .. .. | 90 | 50 | 24th | 31 | 25th | 47·1 | 34·7 | 40·9 | + 1·9 | 14 | 29 | 5 | 1·26 | — | *1·5* | — | *15* | | | | | | | *Kilmarnock.* |
| *a* Colmonell .. .. | 150 | 51 | 24th | 29 | 25th | 48·7 | 35·6 | 42·2 | + 3·5 | 28 | 18 | 4 | 0·64 | - 0·23 | | | | 2 | 26 | | | | | |
| *p* Dumfries .. .. | 160 | 50 | 27th | 30 | 25th | 46·7 | 36·6 | 41·7 | + 2·5 | 13 | 23 | 6 | 0·83 | + 0·10 | *1·7* | — | *17* | 4 | 25 | 43·0 | | 42·0 | | *Dumfries.* |
| *p* Cally, Gatehouse .. | 120 | 49 | 24, 27 | 26 | 25th | 47·3 | 37·4 | 42·4 | + 3·6 | 22 | 13 | 5 | 0·99 | 0·00 | | | | | | | | | | |
| *b*. I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas .. .. .. | 277 | 48 | 24, 28 | 34 | 25th | 46·7 | 39·1 | 42·9 | + 2·5 | 18 | 8 | 5 | 0·90 | + 0·12 | 2·3 | - 0·5 | 23 | 2 | 28 | | | | | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle .. | 210 | 55 | 28th | 29 | 25th | 48·1 | 33·3 | 40·7 | + 2·2 | 17 | 35 | 4 | 0·28 | - 0·22 | 1·9 | — | 19 | 5 | 23 | 38·2 | -0·6 | 41·4 | +4·6 | Cockle Park |
| *a* Shields .. .. | 96 | 54 | 28th | 31 | 25th | 48·6 | 37·0 | 42·8 | + 3·6 | 27 | 14 | 4 | 0·45 | + 0·11 | | | | | | | | | | |
| *p* Durham .. .. | 336 | 54 | 28th | 28 | 25th | 47·7 | 35·4 | 41·6 | + 3·6 | 16 | 27 | 3 | 0·11 | - 0·23 | 1·6 | - 1·0 | 16 | 2 | 26 | | | | | Durham. |
| *a*, North .. *p* Rounton .. .. | 249 | 54 | 27th | 30 | 25th | 48·3 | 36·9 | 42·6 | + 4·6 | 26 | 14 | 4 | 0·15 | - 0·23 | | | | 3 | 26 | 40·1 | | | | Rounton. |
| *a West Witton* .. | *605* | *53* | *27th* | *28* | *25th* | *46·1* | *34·0* | *40·1* | — | *11* | *31* | *3* | *0·62* | — | | | | 4 | 25 | 39·0 | | 41·4 | | *West Witton.* |
| *p* Scarborough .. | 100 | 54 | 27th | 36 | 22, 23 | 48·7 | 38·6 | 43·7 | + 4·4 | 26 | 10 | 3 | 0·10 | - 0·34 | 2·7 | — | 27 | | | | | 43·3† | | Scarborough. |
| *p* York .. .. .. | 56 | 54 | 27th | 32 | 25th | 49·3 | 35·9 | 42·6 | + 3·6 | 30 | 17 | 2 | 0·08 | - 0·31 | *2·3* | - 0·1 | *22* | | | 41·4 | +1·2 | 43·5 | +5·3 | York. |
| *a* Spurn Head .. | 26 | 53 | 27th | 35 | 22nd | 47·9 | 37·0 | 42·5 | + 3·3 | 25 | 14 | 4 | 0·16 | - 0·14 | *1·9* | — | *19* | 3 | 26 | 39·7 | -1·0 | 44·0 | +6·0 | *Hull.* |
| *b*, South .. *a* Lincoln .. .. | 58 | 53 | 27th | 30 | 25th | 49·9 | 35·1 | 42·5 | + 3·6 | 32 | 19 | 1 | 0·03 | - 0·34 | *2·5* | — | *25* | | | | | | | *Spurn Head.* |
| *a* Fulbeck .. .. | 180 | 53 | 27th | 30 | 25th | 49·6 | 34·6 | 42·1 | + 2·8 | 32 | 21 | 5 | 0·14 | - 0·23 | | | | | | 40·2 | +0·8 | 43·6 | +6·7 | Lincoln. |
| | | | | | | | | | | | | | | | 3·7 | — | 37 | 5 | 23 | 41·6 | -0·1 | 44·1 | +5·2 | Rauceby. |
| | | | | | | | | | | | | — | — | — | 3·5 | — | 35 | | | | | | | Skegness. |
| | | | | | | | | | | | | — | — | — | *5·3* | — | *52* | 3 | 28 | 40·4 | -0·3 | 42·8 | +4·1 | *Lowestoft.* |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Cromer .. .. .. | 196 | 55 | 27, 28 | 34 | 22nd | 49·3 | 36·4 | 42·9 | + 5·2 | 30 | 16 | 4 | 0·06 | — | 4·4 | — | 44 | | | | | | | Cromer. |
| *p* Little Massingham .. | 280 | 53 | 28th | 33 | 22, 24, 27 | 48·7 | 33·9 | 41·3 | + 2·6 | 19 | 33 | 4 | 0·15 | - 0·26 | 3·3 | + 0·5 | 33 | 6 | 24 | | | | | Lit. Massingham. |
| *a*, North .. *a* Yarmouth .. .. | 17 | 54 | 27th | 32 | 26th | 48·7 | 34·7 | 41·7 | + 3·3 | 19 | 30 | 2 | 0·03 | - 0·31 | 5·3 | — | 53 | | | 40·6 | -0·8 | 44·1 | +6·0 | Yarmouth. |
| *a* Norwich .. .. | 93 | 54 | 27, 28 | 30 | 24th | 49·7 | 33·3 | 41·5 | + 3·0 | 22 | 36 | 2 | 0·04 | — | *4·2* | * | *42* | 5 | 24 | 39·4 | | | | *Norwich.* |
| *p* Geldeston .. .. | 37 | 55 | 27, 28 | 29 | 24th | 50·3 | 33·3 | 41·8 | + 2·6 | 23 | 36 | 2 | 0·02 | - 0·32 | 5·2 | + 2·3 | 52 | | | | | | | Geldeston. |
| *p* Cambridge .. .. | 41 | 55 | 28th | 28 | 27th | 50·7 | 32·1 | 41·4 | + 2·2 | 24 | 41 | 2 | 0·04 | - 0·29 | 3·9 | + 1·0 | 39 | 4 | 24 | 41·0 | -0·2 | 44·3 | +5·6 | Cambridge. |
| *a Felixstowe* .. | *10* | *51* | *27th* | *33* | *22, 27* | *47·7* | *35·1* | *41·4* | + *2·2* | *16* | *28* | *1* | *0·01* | — | *5·7* | — | *56* | | | | | | | *Felixstowe.* |
| *a* Clacton-on-Sea .. | 54 | 51 | 27th | 34 | 27, 28 | 47·9 | 36·6 | 42·3 | + 3·2 | 25 | 15 | 0 | 0·00 | — | 5·9 | — | 58 | 3 | 24 | 42·7 | -0·1 | 45·0 | +5·0 | Clacton. |
| *b*, South .. *a* Rothamsted .. | 424 | 53 | 28th | 26 | 27th | 48·4 | 31·9 | 40·2 | + 1·7 | 18 | 40 | 5 | 0·30 | - 0·14 | 3·6 | + 0·9 | 36 | | | | | | | Rothamsted. |
| *a Shoeburyness* .. | *13* | *51* | *28th* | *31* | *27th* | *48·6* | *34·4* | *41·5* | + *1·8* | *18* | *31* | *3* | *0·03* | - *0·25* | *6·2* | — | *61* | 6 | 25 | 42·7 | +2·7 | | | *Southend.* |
| *p* Tottenham .. .. | 51 | 53 | 28th | 29 | 27th | 49·1 | 34·7 | 41·9 | + 2·0 | 20 | 31 | 1 | 0·04 | — | 1·7 | — | 17 | 2 | 26 | | | 45·2 | +2·8 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | — | — | — | *3·5* | — | *35* | 3 | 26 | 39·5 | -0·1 | 42·6 | +5·1 | *Huddersfield.* |
| *a* Harrogate .. .. | 476 | 52 | 27th | 31 | 25th | 46·9 | 35·0 | 41·0 | + 3·3 | 14 | 28 | 3 | 0·07 | - 0·44 | 2·3 | — | 23 | 3 | 25 | 39·9 | +0·6 | 41·8 | +3·7 | Harrogate. |
| *a* Bawtry .. .. | 65 | 54 | 27th | 31 | 27th | 49·3 | 35·3 | 42·3 | + 3·2 | 30 | 19 | 2 | 0·06 | - 0·31 | 2·1 | - 0·2 | 21 | 4 | 23 | 40·9 | | 43·1 | | Worksop. |
| *p Buxton* .. .. | *987* | *46* | *28th* | *30* | *25-27* | *44·4* | *32·7* | *38·6* | + *2·4* | *7* | *35* | *3* | *0·38* | - *0·55* | *2·1* | — | *21* | 4 | 24 | 39·1 | -1·2 | 42·6 | +5·6 | *Buxton.* |
| *a*, East .. *a* Nottingham .. .. | 82 | 53 | 27th | 29 | 27th | 49·1 | 33·6 | 41·4 | + 2·4 | 20 | 35 | 4 | 0·27 | - 0·12 | 2·0 | — | 20 | 3 | 27 | 39·5 | +0·8 | 42·1 | +4·6 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 51 | 27th | 34 | 22, 24, 25 | 47·4 | 36·3 | 41·9 | + 3·1 | 15 | 24 | 4 | 0·16 | - 0·25 | 2·0 | — | 20 | 5 | 25 | 41·2 | -1·8 | 45·0 | +5·2 | Birmingham. |
| *a* Raunds .. .. .. | 204 | 57 | 27th | 26 | 25, 27 | 51·3 | 30·9 | 41·1 | + 2·2 | 26 | 45 | 2 | 0·08 | — | *4·2* | — | *42* | 6 | 20 | 42·3 | | 45·3 | | *Raunds.* |
| *p* Oxford .. .. .. | 208 | 54 | 27th | 27 | 27th | 49·6 | 34·0 | 41·8 | + 2·0 | 21 | 33 | 4 | 0·14 | - 0·25 | 2·7 | + 0·1 | 27 | 5 | 21 | | | | | Oxford. |
| | | | | | | | | | | | | — | — | — | 3·0 | — | 30 | 3 | 27 | 40·6 | +0·6 | 43·1 | +5·6 | Sheffield. |
| *a* Cheadle .. .. | 646 | 51 | 27th | 30 | 25th | 47·3 | 35·0 | 41·2 | + 3·3 | 15 | 29 | 4 | 0·30 | - 0·20 | | | | 4 | 28 | | | | | Cheadle. |
| *p* Shrewsbury .. .. | 191 | 52 | 28th | 27 | 25th | 48·9 | 34·4 | 41·7 | + 1·7 | 19 | 32 | 3 | 0·18 | — | | | | 3 | 29 | | | | | Shrewsbury. |
| *b*, West .. *a* Hereford§ .. .. | 291 | 51 | 25, 27 | 32 | 24, 25, 27 | 48·1 | 35·0 | 41·6 | + 1·8 | 17 | 29 | 3 | 0·13 | - 0·34 | *3·0* | * | *30* | 3 | 27 | 40·2 | | 43·4 | | *Malvern.*§ |
| *a* Cirencester .. .. | 446 | 51 | 27th | 27 | 27th | 46·3 | 31·7 | 39·0 | + 0·5 | 12 | 39 | 5 | 0·29 | - 0·21 | 2·8 | 0·0 | 28 | 3 | 27 | 41·5 | | 44·1 | | Cirencester. |
| *a* Bath .. .. .. | 66 | 55 | 27th | 32 | 26, 27 | 51·0 | 34·9 | 43·0 | + 2·6 | 37 | 20 | 3 | 0·10 | - 0·40 | 2·9 | — | 29 | | | 42·5 | -0·6 | 45·3 | +4·9 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | — | — | — | | | | 5 | 23 | 42·4 | -0·2 | 46·0 | +6·4 | Canterbury. |
| *p* Kew .. .. .. | 18 | 53 | 28th | 28 | 27th | 48·4 | 33·6 | 41·0 | + 1·0 | 18 | 34 | 2 | 0·05 | - 0·33 | 3·3 | + 1·1 | 33 | 6 | 21 | 41·2 | -1·0 | 44·9 | +5·7 | Kew. |
| *a* Marlborough .. .. | 424 | 51 | 27th | 26 | 26th | 47·7 | 31·6 | 39·7 | + 0·8 | 16 | 41 | 3 | 0·19 | - 0·37 | 2·2 | - 0·1 | 22 | 6 | 20 | | | 44·9 | | Marlborough. |
| *a* Margate .. .. | 35 | 51 | 28th | 32 | 27, 28 | 48·6 | 35·6 | 42·1 | + 2·1 | 28 | 18 | 1 | 0·03 | - 0·33 | 5·1 | + 2·3 | 51 | 4 | 23 | 43·3 | +2·1 | 46·0 | +6·3 | Margate. |
| *a* Wisley, Surrey .. | 150 | 53 | 27, 28 | 27 | 27th | 48·6 | 32·9 | 40·8 | + 0·4 | 18 | 37 | 2 | 0·12 | — | 4·1 | — | 41 | 6 | 19 | 40·6 | -1·0 | 43·9 | +4·7 | Wisley. |
| | | | | | | | | | | | | — | — | — | *6·4* | — | *63* | 3 | 26 | 43·0 | -0·7 | 45·0 | +4·7 | Worthing. |
| *p* Salisbury (Wilton) .. | 180 | 52 | 27th | 26 | 25th | 49·4 | 32·0 | 40·7 | + 1·1 | 21 | 40 | 7 | 0·59 | + 0·02 | | | | 5 | 21 | 41·9 | | | | Salisbury. |
| *a* Tunbridge Wells .. | 418 | | | | | | | | | | | — | — | — | | | | | | | | | | Tunbridge Wells. |
| *a* Dungeness .. .. | 21 | 52 | 27th | 30 | 27th | 48·4 | 37·4 | 42·9 | + 2·9 | 26 | 13 | 2 | 0·10 | - 0·27 | 5·6 | * | 55 | | | | | | | Littlestone. |
| *p* Hastings.. .. | 178 | 51 | 27th | 36 | 25th | 48·7 | 38·9 | 43·8 | + 3·5 | 26 | 9 | 2 | 0·05 | - 0·45 | *5·6* | + *2·4* | *55* | 4 | 26 | 42·3 | | 44·0 | | *Hastings.* |
| *p* Southampton .. .. | 65 | 54 | 28th | 28 | 26th | 49·7 | 34·9 | 42·3 | + 0·6 | 32 | 20 | 5 | 0·21 | - 0·30 | 3·2 | + 0·3 | 32 | 4 | 24 | | | | | Southampton. |
| *a* Ventnor .. .. | 80 | 53 | 28th | 36 | 23rd | 50·6 | 37·9 | 44·3 | + 2·3 | 33 | 11 | 3 | 0·30 | - 0·20 | 5·3 | + 2·1 | 52 | | | | | | | Ventnor. |
| | | | | | | | | | | | | — | — | — | *5·3* | — | *53* | 6 | 21 | 43·3 | -0·3 | 46·1 | +5·1 | *Portsmouth.* |
| | | | | | | | | | | | | — | — | — | 5·5 | + 2·5 | 55 | | | 43·3 | | 45·5 | | Eastbourne. |
| | | | | | | | | | | | | — | — | — | *3·5* | — | *35* | | | 42·0 | | 44·1 | | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | *5·7* | + *2·7* | *56* | 2 | 28 | | | 43·8 | | *Brighton.* |
| *a Westminster* .. .. | *27* | *55* | *27, 28* | *30* | *27, 28* | *50·1* | *36·1* | *43·1* | + *3·1* | *32* | *17* | *1* | *0·02* | - *0·37* | *3·2* | + *1·3* | *32* | 2 | 28 | | | | | *Westminster.* |
| *a Greenwich* .. .. | *155* | *56* | *28th* | *29* | *27th* | *50·3* | *33·4* | *41·9* | + *1·7* | *23* | *36* | *2* | *0·05* | - *0·33* | *5·2* | + *3·0* | *52* | 7 | 19 | | | | | *Greenwich.* |
| *a Hampstead* .. .. | *450* | *57* | *28th* | *32* | *25th* | *48·0* | *34·9* | *41·5* | — | *17* | *29* | *1* | *0·04* | — | *2·8* | — | *28* | 7 | 16 | | | | | *Hampstead.* |
| *a Camden Square* .. | *110* | *54* | *28th* | *29* | *27th* | *49·4* | *33·3* | *41·4* | — | *21* | *36* | *1* | *0·05* | — | *2·0* | — | *20* | 4 | 28 | | | | | *Camden Square.* |
| | | | | | | | | | | | | — | — | — | *2·5* | — | *25* | 4 | 22 | 39·2 | -0·6 | 42·7 | +5·4 | *Burnley.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | — | — | — | 3·8 | — | 38 | | | | | | | Hoylake. |
| *p* Aspatria .. .. | 250 | 53 | 27th | 29 | 25th | 48·7 | 36·6 | 42·7 | + 4·7 | 28 | 15 | 5 | 0·94 | + 0·37 | 3·1 | — | 31 | 3 | 22 | 41·0 | | 43·8 | | Aspatria. |
| *p* Newton Rigg .. | 559 | 52 | 27th | 24 | 25th | 48·3 | 34·6 | 41·5 | + 4·5 | 18 | 31 | 4 | 0·83 | + 0·13 | 3·2 | + 0·8 | 32 | 5 | 16 | 40·0 | +0·6 | 41·8 | +3·6 | Newton Rigg. |
| *p* Stonyhurst .. .. | 375 | 51 | 28th | 27 | 25th | 47·0 | 36·0 | 41·5 | + 2·9 | 14 | 25 | 4 | 0·44 | - 0·36 | 2·5 | + 0·2 | 25 | 4 | 19 | | | | | Stonyhurst. |
| *p* Blackpool .. .. | 66 | 52 | 28th | 29 | 25th | 48·4 | 36·9 | 42·7 | + 3·4 | 26 | 14 | 5 | 0·61 | + 0·08 | 3·1 | + 0·6 | 31 | 3 | 23 | 42·1 | | 45·1 | | Blackpool. |
| *p* Manchester (Whit. Pk.) | 125 | 51 | 28th | 30 | 25th | 48·1 | 37·1 | 42·6 | + 2·6 | 25 | 14 | 4 | 0·45 | + 0·03 | *1·8* | + *0·4* | *18* | | | | | | | *Whit. Park.* |
| *a* Liverpool (Bidston) .. | 188 | 53 | 28th | 32 | 25th | 48·4 | 35·7 | 42·1 | + 2·4 | 27 | 18 | 3 | 0·28 | - 0·15 | *3·7* | — | *37* | | | | | | | *Liverpool.* |
| *a Hawarden Bridge* .. | *22* | *54* | *28th* | *32* | *24th* | *50·0* | *35·3* | *42·7* | + *2·2* | *33* | *19* | *4* | *0·22* | - *0·14* | *2·7* | + *0·1* | *27* | 5 | 21 | 40·6 | +1·0 | 42·9 | +4·8 | *Southport.* |
| | | | | | | | | | | | | — | — | — | *1·6* | — | *16* | 1 | 30 | 40·8 | -0·5 | 45·2 | +7·0 | *Manchester (City).* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno .. .. | 71 | 54 | 27th | 36 | 24th | 49·6 | 40·3 | 45·0 | + 3·4 | 28 | 5 | 3 | 0·68 | + 0·20 | 3·2 | + 0·5 | 32 | | | | | | | Llandudno. |
| *a* Holyhead .. .. | 57 | 50 | 24, 28 | 35 | 26th | 48·0 | 39·0 | 43·5 | + 1·9 | 23 | 8 | 4 | 0·53 | - 0·05 | *2·5* | — | *25* | | | | | | | *Holyhead.* |
| *p* Bettws-y-Coed .. | 101 | | | | | | | | | | | — | — | — | | | | | | | | | | Bettws-y-Coed. |
| | | | | | | | | | | | | — | — | — | 2·7 | — | 27 | | | | | | | Aberdovey. |

* For notes see also opposite page. † At 3 feet. ‖ Hoar frost. § The temperature on the grass refers to Hereford.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES. | | | | | | | | | | | | * | * | * | 3·5 | — | 35 | * | * | * | * | * | * | |
| *a* Llangammarch Wells | 550 | 55 | 27th | 27 | 25th | 48·3 | 32·9 | 40·6 | + 2·1 | 18 | 36 | 6 | 1·10 | — | 2·7 | — | 27 | 4 | 23 | 41·2 | -1·5 | 45·6 | +5·9 | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 48 | 24, 28 | 37 | 24, 25 | 47·6 | 40·0 | 43·8 | + 1·8 | 21 | 6 | 6 | 0·41 | - 0·20 | 3·3 | + 0·3 | 33 | * | * | * | * | * | * | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 52 | 26, 27 | 33 | 24th | 48·6 | 37·3 | 43·0 | + 2·7 | 27 | 13 | 4 | 0·50 | - 0·21 | *3·6* | — | *26* | 4 | 27 | 41·7 | -0·6 | 44·6 | +4·4 | Pembroke. *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 54 | 27th | 33 | 25th | 49·3 | 37·0 | 43·2 | + 2·7 | 29 | 14 | 4 | 0·23 | - 0·33 | *2·8* | — | *28* | 3 | 28 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 51 | 27th | 31 | 22nd | 46·6 | 34·4 | 40·5 | + 1·6 | 13 | 30 | 4 | 0·40 | - 0·17 | * | * | * | * | * | 41·3 | * | 44·1 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 49 | 27, 28 | 31 | 24, 25 | 47·1 | 35·7 | 41·4 | + 1·7 | 14 | 26 | 4 | 0·38 | - 0·54 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *53* | *28th* | *35* | *24th* | *49·6* | *39·1* | *44·4* | *+ 1·1* | *29* | *8* | *6* | *0·50* | *- 0·12* | 3·0 | - 0·1 | 30 | 3 | 27 | 44·5 | * | 46·6 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 54 | 27th | 29 | 25th | 50·4 | 35·7 | 43·1 | + 2·2 | 34 | 18 | 6 | 0·44 | - 0·21 | 2·3 | - 0·4 | 23 | 4 | 22 | 42·7 | * | * | * | Cullompton. |
| *a* Portland .. .. | 19 | 50 | 27th | 38 | 25, 26 | 47·9 | 41·0 | 44·5 | + 2·7 | 22 | 3 | 5 | 0·38 | — | *2·9* | — | *28* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 50 | 24, 28, 28 | 33 | 26th | 49·6 | 39·4 | 44·5 | + 2·1 | 28 | 7 | 6 | 0·63 | - 0·01 | 2·4 | - 0·6 | 23 | 1 | 29 | 43·5 | +1·2 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 52 | 28th | 35 | 24th | 50·1 | 38·7 | 44·4 | + 1·1 | 31 | 9 | 6 | 0·54 | - 0·29 | 3·5 | + 0·2 | 34 | 4 | 27 | 45·1 | * | 47·1 | * | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Malin Head .. .. | 208 | 51 | 28th | 35 | 22–25 | 47·0 | 36·3 | 41·7 | + 0·7 | 14 | 24 | 7 | 1·33 | + 0·80 | * | * | * | * | * | * | * | * | * | |
| *a* Blacksod Point .. | 37 | 53 | 28th | 36 | 26th | 48·7 | 38·6 | 43·7 | + 1·0 | 26 | 10 | 7 | 1·04 | + 0·17 | * | * | * | * | * | * | * | * | * | |
| *a*, West .. *p* Markree Castle .. | 122 | 54 | 28th | 28 | 24th | 48·9 | 34·7 | 41·8 | + 1·4 | 19 | 30 | 7 | 0·74 | - 0·01 | 1·3 | - 1·1 | 13 | 3 | 22 | 41·7 | * | 44·2 | * | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 56 | 27th | 30 | 25th | 48·9 | 35·4 | 42·2 | + 1·5 | 29 | 18 | 3 | 0·59 | + 0·07 | *2·7* | *+ 0·2* | *27* | * | * | * | * | * | * | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 53 | 28th | 31 | 24th | 49·1 | 37·0 | 43·1 | + 3·0 | 29 | 14 | 6 | 0·18 | - 0·33 | 2·2 | - 0·2 | 22 | 2 | 28 | 41·1 | -1·4 | 43·6 | +2·9 | Armagh. |
| *a* Donaghadee .. .. | 40 | 50 | 28th | 31 | 25th | 47·9 | 37·6 | 42·8 | + 1·8 | 24 | 12 | 7 | 0·58 | + 0·03 | * | * | * | * | * | * | * | * | * | |
| **10.** IRELAND, S. | | | | | | | | | | | | — | — | — | * | * | * | 3 | 21 | 42·5 | -1·1 | 45·0 | +3·2 | Trinity Coll. |
| | | | | | | | | | | | | — | — | — | 3·8 | + 1·0 | 38 | 3 | 20 | * | * | * | * | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 57 | 27th | 33 | 24th | 50·0 | 39·1 | 44·6 | + 2·1 | 30 | 8 | 5 | 0·42 | - 0·07 | * | * | * | 1 | 30 | * | * | * | * | Dublin City. |
| *a*, East .. *a* Kilkenny .. .. | 195 | 52 | 26, 27, 28 | 27 | 24th | 49·1 | 36·7 | 42·9 | + 1·8 | 29 | 15 | 7 | 0·63 | + 0·02 | * | * | * | * | * | * | * | * | * | |
| *a* Waterford .. .. | 100 | 51 | 27th | 28 | 24th | 48·1 | 36·6 | 42·4 | + 0·6 | 25 | 15 | 5 | 0·51 | - 0·25 | * | * | * | * | * | * | * | * | * | |
| *a Carrick-on-Suir* .. | *541* | *51* | *27, 28* | *32* | *22, 24* | *47·9* | *37·4* | *42·7* | — | *24* | *13* | *7* | *0·64* | — | 3·7 | — | *37* | 3 | 21 | * | * | * | * | *Carrick-on-Suir.* |
| *a* Birr Castle .. .. | 175 | 56 | 27th | 30 | 25th | 48·9 | 35·4 | 42·2 | + 1·5 | 29 | 18 | 3 | 0·59 | + 0·07 | 2·7 | + 0·2 | 27 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes .. .. | 50 | 54 | 26th | 34 | 22nd | 48·0 | 38·9 | 43·5 | + 0·7 | 24 | 9 | 6 | 1·12 | + 0·39 | * | * | * | * | * | * | * | * | * | |
| *b*, West .. *a* Cahir .. .. | 199 | 53 | 27th | 29 | 24th | 48·9 | 37·0 | 43·0 | + 1·3 | 28 | 14 | 6 | 1·02 | — | * | * | * | * | * | * | * | * | * | |
| *a* Killarney .. .. | 174 | 59 | 26th | 35 | 22, 25 | 52·1 | 39·6 | 45·9 | + 3·1 | 37 | 7 | 7 | 1·07 | - 0·13 | 3·0 | + 0·2 | 30 | * | * | * | * | * | * | Valencia. |
| *a* Valencia .. .. | 30 | 54 | 26, 28 | 36 | 22nd | 50·6 | 40·7 | 45·7 | + 1·3 | 31 | 4 | 7 | 1·55 | + 0·37 | 2·1 | — | 21 | * | * | * | * | * | * | Ballinacurra. |
| *a* Roche's Point .. | 32 | 51 | 28th | 32 | 24, 25 | 48·7 | 37·6 | 43·2 | - 0·3 | 27 | 12 | 7 | 0·67 | - 0·16 | | | | | | | | | | |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 53 | 27th | 39 | 24th | 51·1 | 42·3 | 46·7 | + 1·5 | 33 | 0 | 5 | 0·41 | - 0·22 | 3·6 | + 0·3 | 35 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 54 | 25th | 33 | 28th | 51·0 | 37·4 | 44·2 | + 1·1 | 35 | 13 | 2 | 0·06 | - 0·48 | 5·8 | + 2·3 | 56 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 54 | 28th | 36 | 24th | 51·1 | 39·5 | 45·3 | + 1·5 | 34 | 7 | 4 | 0·21 | - 0·42 | 5·4 | + 2·0 | 52 | 0 | 31 | 43·9 | -0·9 | 46·1 | +3·0 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 7·1 hrs. 70 °/₀; Ramsgate, 5·4 hrs. 54 °/₀; Rhyl, 4·6 hrs. 46 °/₀; Salcombe, 2·7 hrs. 26 °/₀; Tenby, 3·4 hrs. (+0·3) 34 °/₀; Torquay, 2·7 hrs. (-0·4) 27 °/₀.*

*The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Feb. 28th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 45 | 44 | 44·1 | +2·0 |
| Kirkwall .. .. | 44 | 44 | 44·0 | +3·4 |
| Wick .. .. .. | 45 | 44 | 44·1 | +0·8 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 43 | 40 | 41·2 | +1·9 |
| Pennan Bay .. .. | 44 | 42 | 42·8 | +2·6 |
| Aberdeen, Cove Bay | 42 | 42 | 42·0 | +1·5 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 45 | 44 | 44·9 | +1·1 |
| Ballantrae .. .. | 47 | 42 | 44·5 | +1·7 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 41 | 40 | 40·6 | +1·3 |
| Scarborough .. .. | 44 | 40 | 41·7 | +1·3 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 44 | 42 | 43·3 | +3·5 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 45 | 44 | 44·4 | +4·0 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 47 | 45 | 45·8 | +1·5 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 50 | 50 | 50·0 | +3·8 |
| Scilly .. .. .. | 49 | 47 | 47·8 | — |
| Plymouth‡ .. .. | 47 | 47 | 47·1 | +0·9 |
| Salcombe .. .. | 48 | 46 | 47·0 | +1·7 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 47 | 45 | 45·4 | +0·7 |
| Teelin .. .. .. | 46 | 43 | 44·2 | -0·3 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 46 | 44 | 45·4 | +0·9 |
| Seafield .. .. | 50 | 41 | 45·4 | -0·5 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, Feb. 28th.

| DISTRICT AND STATION | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| **1.** SCOTLAND, E. | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| Aberdeen .. .. | 105 | 22nd | 1 | 22nd | 7 | 52 | 108 | E. 17 | 22nd 12h. | 24 22nd 12. 20 |
| Rosyth .. .. | 73 | — | — | 22nd | 8 | 29 | 131 | SE.byE.15 | 22nd 8h. | 24 22nd 9. 35 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 22, 28 | 14 | 54 | 100 | NE.byE13 | 22nd 9h. | 22 22nd 6. 50 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 37§ | 123§ | E. 10 | 22nd 9h. | 23 22nd 9. 45 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | 22nd | 5 | 36 | 127 | ESE. 13 | 22nd 8h. | 21 22nd 6. 15 |
| South Shields .. | 61 | 22nd | 2 | 22nd | 8 | 31 | 127 | SE.byE.19 | 22nd 8h. | 25 22nd 7. 0 |
| Spurn Head .. | 40 | — | — | 22nd | 10§ | 59§ | 84§ | SSE. 16 | 22nd 6h. | 21 22nd 6. 10 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | 22nd | 4§ | 22, 23 | 15§ | 53§ | 91§ | SE.byS. 18 | 22nd 6h. | 25 22nd 5. 45 |
| Shoeburyness .. | 90 | — | — | 22nd | 8 | 37 | 123 | — 16 | 22nd 2h. | 24 22nd 2. 20 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | — | — | — | — | 4 | 164 | — 12 | 22nd 2h. | 15 22nd 6. 25 |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 22nd | 7 | 39 | 122 | — 14 | 22nd 4h. | 21 22nd 3. 15 |
| Warlingham .. | 33 | — | — | — | — | 32 | 136 | — 5 | 22nd 4h. | 18 22nd 12. 40 |
| Brighton .. .. | 53 | — | — | 22nd | 4 | 16 | 148 | — 14 | 22nd 2h. | 22 22nd 1. 55 |
| Kew .. .. .. | 40 | — | — | — | — | 13 | 155 | — 8 | 22nd 3h. | 18 22nd 3. 25 |
| South Kensington | 92 | — | — | — | — | 9 | 159 | SSW. 7 | 22nd 13h. | 15 22nd 3. 35 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Southport .. .. | 62 | — | — | 22, 23 | 19 | 57 | 92 | S.byE. 16 | 22nd 13h. | 26 22nd 12. 45 |
| Holyhead .. .. | 40 | 22nd | 2 | 22, 23 | 25 | 65 | 76 | SSE. 20 | 22nd 11h. | 29 22nd 12. 0 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | 22nd | 5 | 22, 26, 28 | 14 | 75 | 74 | SW. 22 | 22nd 2h. | 28 22nd 1. 15 |
| Plymouth .. .. | 86 | — | — | 22nd | 4 | 27 | 137 | — 16 | 22nd 1h. | 23 22nd 0. 35 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 22, 23, 28 | 25 | 81 | 59 | — 15 | 22nd 12h. | 21 28th 23. 35 |
| Roches Point .. | 30 | — | — | — | — | — | — | — | — | — — — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | 22nd | 14 | 34 | 120 | WSW. 16 | 22nd 1h. | 23 22nd 2. 40 |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·21 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**EIGHTH WEEK**—February 22nd to February 28th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest. | Lowest. | Means of | | | | Accumulated Number of Day-Degrees. | | | | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | | | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | | | | | | | | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 53 | 29 | 46·3 | 36·3 | 41·4 | + 3·5 | 12 | + 5 | 24 | −13 | 5 | + 1 | 0·69 | −0·25 | 1·5 | −0·8 | 16 | 996 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 58 | 22 | 46·9 | 32·6 | 39·8 | + 2·9 | 14 | + 6 | 37 | − 6 | 3 | 0 | 0·43 | −0·07 | 2·6 | −0·1 | 27 | 998 |
| 2. ENGLAND, N.E. ... ... | 55 | 28 | 48·7 | 36·0 | 42·3 | + 3·3 | 27 | + 18 | 17 | −17 | 3 | − 1 | 0·17 | −0·16 | 2·6 | −0·1 | 26 | 1000 |
| 3. ENGLAND, EAST ... | 55 | 26 | 49·2 | 34·1 | 41·7 | + 3·3 | 20 | + 8 | 33 | − 4 | 2 | − 1 | 0·08 | −0·25 | 4·2 | +1·3 | 41 | 1003 |
| 4. MIDLAND COUNTIES ... | 57 | 26 | 48·7 | 34·2 | 41·5 | + 3·0 | 19 | + 6 | 32 | − 6 | 3 | 0 | 0·16 | −0·24 | 2·5 | 0·0 | 25 | 1002 |
| 5. ENGLAND, S.E. ... ... | 54 | 26 | 49·1 | 34·9 | 42·0 | + 2·2 | 20 | + 6 | 20 | −10 | 3 | + 1 | 0·18 | −0·25 | 4·5 | +1·5 | 45 | 1003 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 51 | 26 | 46·0 | 36·5 | 41·7 | + 2·8 | 14 | + 5 | 23 | − 9 | 5 | + 1 | 0·99 | +0·16 | 1·7 | −0·5 | 17 | 999 |
| 7. ENGLAND, N.W. ... ... | 54 | 24 | 48·3 | 37·0 | 42·7 | + 3·3 | 26 | + 15 | 14 | −16 | 4 | 0 | 0·60 | +0·08 | 3·1 | +0·2 | 31 | 1000 |
| 8. ENGLAND, S.W. ... ... | 55 | 27 | 48·6 | 37·2 | 42·9 | + 1·9 | 26 | + 9 | 13 | −11 | 5 | + 1 | 0·50 | −0·18 | 3·0 | 0·0 | 29 | 1001 |
| 9. IRELAND, NORTH ... | 56 | 28 | 48·4 | 36·6 | 42·6 | + 2·1 | 27 | + 13 | 15 | −10 | 6 | + 2 | 0·74 | +0·11 | 1·8 | −0·8 | 18 | 996 |
| 10. IRELAND, SOUTH ... | 59 | 27 | 49·4 | 38·0 | 43·7 | + 1·6 | 29 | + 8 | 11 | − 9 | 6 | + 3 | 0·84 | +0·08 | 2·9 | 0·0 | 29 | 999 |
| 11. ENGLISH CHANNEL ... | 54 | 33 | 51·1 | 39·7 | 45·4 | + 1·4 | 33 | + 10 | 6 | − 4 | 4 | 0 | 0·23 | −0·37 | 4·9 | +1·4 | 48 | 1002 |

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 13 Weeks, November 30th, 1913, to February 28th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 57 | 14 | * | * | * | * | 128 | + 34 | 338 | −115 | 67 | 0 | 19·10 | +2·66 | 0·9 | −0·3 | 12 | |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 59 | 5 | * | * | * | * | 132 | + 36 | 426 | −110 | 51 | − 1 | 7·57 | −0·15 | 1·5 | −0·2 | 20 | |
| 2. ENGLAND, N.E. ... ... | 59 | 9 | * | * | * | * | 210 | + 99 | 291 | −139 | 43 | − 4 | 3·83 | −1·65 | 1·6 | −0·2 | 20 | |
| 3. ENGLAND, EAST ... | 58 | 19 | * | * | * | * | 214 | + 90 | 303 | −184 | 41 | − 8 | 3·91 | −1·30 | 1·9 | −0·1 | 22 | |
| 4. MIDLAND COUNTIES ... | 61 | 15 | * | * | * | * | 225 | + 84 | 345 | −144 | 42 | − 6 | 4·28 | −2·15 | 1·4 | −0·3 | 16 | |
| 5. ENGLAND, S.E. ... ... | 58 | 10 | * | * | * | * | 247 | + 69 | 275 | − 88 | 41 | − 7 | 6·28 | −0·56 | 2·0 | +0·1 | 23 | |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 57 | 18 | * | * | * | * | 168 | + 32 | 277 | − 82 | 63 | + 3 | 13·65 | −0·31 | 1·0 | −0·5 | 12 | |
| 7. ENGLAND, N.W. ... ... | 58 | 16 | * | * | * | * | 237 | + 95 | 200 | −151 | 49 | − 5 | 8·44 | −0·37 | 1·4 | −0·2 | 16 | |
| 8. ENGLAND, S.W. ... ... | 58 | 11 | * | * | * | * | 278 | + 48 | 214 | − 54 | 53 | − 3 | 9·75 | −1·53 | 1·6 | −0·3 | 18 | |
| 9. IRELAND, NORTH ... | 57 | 17 | * | * | * | * | 240 | + 63 | 202 | −102 | 62 | 0 | 11·46 | +1·34 | 1·1 | −0·6 | 13 | |
| 10. IRELAND, SOUTH ... | 59 | 17 | * | * | * | * | 291 | + 15 | 179 | − 52 | 62 | + 4 | 11·46 | −0·52 | 1·5 | −0·5 | 17 | |
| 11. ENGLISH CHANNEL ... | 56 | 25 | * | * | * | * | 358 | + 7 | 112 | + 14 | 54 | − 8 | 9·01 | −0·59 | 2·0 | −0·4 | 23 | |

THE YEAR.—Aggregates, &c., for the Period of 8 Weeks, January 4th, 1914, to February 28th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 56 | 16 | * | * | * | * | 76 | + 22 | 230 | − 64 | 40 | − 1 | 11·51 | +1·46 | 1·2 | −0·1 | 16 | 1003 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 58 | 15 | * | * | * | * | 87 | + 26 | 271 | − 65 | 34 | + 3 | 4·98 | +0·50 | 1·7 | −0·2 | 21 | 1006 |
| 2. ENGLAND, N.E. ... ... | 59 | 24 | * | * | * | * | 147 | + 77 | 173 | − 95 | 32 | + 3 | 2·69 | −0·35 | 1·8 | −0·1 | 22 | 1010 |
| 3. ENGLAND, EAST ... | 58 | 19 | * | * | * | * | 139 | + 62 | 191 | −111 | 27 | − 2 | 3·13 | +0·11 | 2·1 | 0·0 | 25 | 1014 |
| 4. MIDLAND COUNTIES ... | 61 | 15 | * | * | * | * | 150 | + 60 | 224 | − 76 | 28 | − 1 | 2·96 | −0·80 | 1·6 | −0·2 | 18 | 1013 |
| 5. ENGLAND, S.E. ... ... | 57 | 10 | * | * | * | * | 154 | + 51 | 181 | − 49 | 28 | 0 | 4·58 | +0·59 | 2·3 | +0·3 | 26 | 1014 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 55 | 18 | * | * | * | * | 111 | + 31 | 183 | − 49 | 40 | + 4 | 9·06 | +1·03 | 0·9 | −0·7 | 11 | 1008 |
| 7. ENGLAND, N.W. ... ... | 58 | 22 | * | * | * | * | 161 | + 78 | 137 | − 85 | 32 | − 1 | 5·58 | +0·46 | 1·6 | −0·1 | 19 | 1010 |
| 8. ENGLAND, S.W. ... ... | 58 | 19 | * | * | * | * | 172 | + 38 | 141 | − 34 | 34 | + 1 | 6·46 | +0·16 | 1·7 | −0·3 | 19 | 1012 |
| 9. IRELAND, NORTH ... | 57 | 25 | * | * | * | * | 154 | + 44 | 134 | − 58 | 40 | + 3 | 7·52 | +1·64 | 1·2 | −0·6 | 14 | 1005 |
| 10. IRELAND, SOUTH ... | 59 | 24 | * | * | * | * | 193 | + 28 | 108 | − 38 | 42 | + 8 | 8·72 | +1·91 | 1·7 | −0·3 | 20 | 1008 |
| 11. ENGLISH CHANNEL ... | 55 | 25 | * | * | * | * | 203 | + 7 | 66 | − 4 | 34 | − 3 | 5·37 | +0·07 | 2·5 | 0·0 | 27 | 1014 |

M.O., March 3, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches.)

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 9. NINTH WEEK, SUNDAY, MARCH 1ST, TO SATURDAY, MARCH 7TH, 1914. *Price 6d.* *Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

**Pressure, Wind and Weather.** With the barometer highest in an anticyclonic system between Spain and the Azores, and depression centres travelling in a general Easterly direction on a track to the northward of Scotland, the type of distribution was Westerly. The disturbances of the early days of the week were deep enough to cause frequent strong winds over the United Kingdom, but gale force was not reached, except very locally, until late on the 5th. The depression that lay off the north of Scotland at 6 p.m. on that date was deep, and during the night it developed further intensity. By the morning of the 6th the barometer at its centre had fallen to about 965 millibars, and as it subsequently moved east-south-eastward the wind over these Islands increased to a gale from between West and North-West very generally. The force of a strong to whole gale was experienced over a large area, the greatest violence occurring in the north and north-east of England. At the close of the week, when the depression had reached the Baltic, a small secondary system was passing eastward over England. Rain fell daily in Ireland, the south-west of England, and the greater part of Scotland, and the total fall for the week in those regions was considerably in excess of the average. Many places over the northern half of the Kingdom experienced a little sleet or snow from time to time. Thunder occurred at Foynes on the 1st, and thunder and lightning at Poltalloch on the 3rd, while at some other stations in the north there was lightning singly.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual |
| | Rainfall ... | Heavy | Heavy | Moderate | Heavy | Moderate | Moderate | Heavy | Heavy | Heavy | Heavy | Moderate | Moderate |
| | Sunshine ... | Moderate | Abundant | Moderate | Moderate | Moderate | Moderate | Moderate | Scanty | Moderate | Scanty | Scanty | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 1 week from March 1st, 1914. | Warmth ... | 0*0 | 0*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 |
| | Rainfall ... | 1*0 | 1*0 | 0*0 | 1*0 | 0*0 | 0*0 | 1*0 | 1*0 | 1*0 | 1*0 | 0*0 | 0*0 |
| | Sunshine ... | 0*0 | 1*0 | 0*0 | 0*0 | 0*0 | 0*0 | 0*0 | 0*1 | 0*0 | 0*1 | 0*1 | 0*1 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 1913. Mar. 2nd.–May 31st. 13 weeks. | Warmth ... | 2*5 | 2*5 | 5*2 | 5*2 | 4*2 | 4*2 | 2*4 | 4*3 | 3*2 | 1*3 | 1*3 | 3*4 |
| | Rainfall ... | 6*2 | 5*3 | 5*4 | 5*2 | 7*3 | 6*1 | 8*2 | 7*3 | 6*1 | 7*2 | 6*1 | 7*3 |
| | Sunshine ... | 3*3 | 2*3 | 1*4 | 2*6 | 2*5 | 2*4 | 1*8 | 1*4 | 0*6 | 2*5 | 1*6 | 0*10 |
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4*3 | 2*4 | 3*5 | 3*5 | 3*5 | 2*6 | 3*4 | 3*5 | 5*5 | 3*5 | 4*4 | 1*6 |
| | Rainfall ... | 2*8 | 1*9 | 0*10 | 1*5 | 0*9 | 1*9 | 2*7 | 3*8 | 1*11 | 1*8 | 2*9 | 1*5 |
| | Sunshine ... | 4*5 | 4*4 | 4*7 | 2*7 | 2*8 | 1*7 | 5*5 | 6*5 | 3*4 | 6*6 | 5*4 | 3*9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6*0 | 8*0 | 8*0 | 10*0 | 11*0 | 11*0 | 6*0 | 9*0 | 9*0 | 8*0 | 9*2 | 11*0 |
| | Rainfall ... | 4*4 | 2*4 | 4*6 | 5*6 | 5*4 | 5*5 | 2*4 | 4*6 | 3*5 | 3*2 | 7*1 | 4*3 |
| | Sunshine ... | 5*4 | 5*6 | 6*3 | 4*1 | 4*3 | 5*2 | 1*4 | 6*3 | 4*6 | 2*5 | 2*6 | 2*4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth .. | 6*3 | 7*2 | 7*2 | 9*3 | 7*4 | 7*4 | 4*2 | 8*3 | 7*4 | 7*2 | 7*4 | 6*4 |
| | Rainfall ... | 5*2 | 5*4 | 1*7 | 3*9 | 2*8 | 3*5 | 5*4 | 5*6 | 3*5 | 5*5 | 4*6 | 5*7 |
| | Sunshine ... | 3*1 | 2*2 | 1*2 | 3*4 | 2*6 | 4*4 | 2*6 | 2*0 | 3*5 | 1*9 | 1*7 | 2*5 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

(670—19.) Wt. 196—786. 450. 3/14. D & S. G. 17/36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Mean for the Week. Of Lowest each day. | Mean for the Week. For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Accumulated Heat for the Week (in Day degrees). Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean | Earth 4 ft. Difference from Average. | |
| **0.** SCOTLAND, N. | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr | % | ° | ° | ° | ° | ° | ° | |
| *p Baltasound* | *31* | *50* | *1st* | *30* | *5, 6* | *41·1* | *33·7* | *37·3* | — | *0* | *33* | *7* | *1·39* | | *2·5* | — | *25* | | | 39·0 | | | | *Baltasound.* |
| *a* Lerwick | 54 | 46 | 1st | 30 | 4, 6 | 40·9 | 33·6 | 37·1 | - 1·2 | 0 | 34 | 7 | *1·88* | — | 3·0 | + 0·5 | 30 | | | | | | | Deerness. |
| *a* Stornoway | 51 | 46 | 1st | 34 | 2nd | 44·0 | 35·4 | 39·6 | + 1·3 | 6 | 24 | 7 | 1·82 | + 0·83 | ? | ? | ? | | | | | | | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *48* | *5th* | *37* | 2nd | *45·9* | *39·3* | *42·5* | + *0·5* | *15* | *8* | *7* | *1·05* | — | *2·1* | — | *20* | | | | | | | *Castlebay.* |
| *a* Wick | 81 | 48 | 7th | 32 | 2, 4–6 | 43·3 | 33·3 | 38·2 | 0·0 | 4 | 31 | 6 | 0·91 | + 0·39 | | | | | | | | | | |
| *p* Strathpeffer | 200 | 48 | 1st | 32 | 2, 7 | 43·6 | 33·9 | 38·6 | + 0·8 | 4 | 28 | 6 | 1·53 | + 0·90 | 2·7 | + 0·2 | 26 | | | | | | | Strathpeffer. |
| *p* Glencarron | 500 | 46 | 5th | 26 | 7th | 42·7 | 33·0 | 37·7 | + 0·6 | 2 | 31 | 6 | 2·06 | + 0·29 | | | | | | | | | | |
| *p* Fort Augustus | 68 | 47 | 1st | 33 | 2, 7 | 44·6 | 34·6 | 39·5 | + 1·2 | 7 | 27 | 7 | 1·18 | + 0·23 | 2·2 | + 0·3 | 21 | | | | | | | Fort Augustus. |
| *p* Fort William | 175 | 46 | 4–6 | 32 | 7th | 44·7 | 35·6 | 40·0 | + 0·6 | 8 | 23 | 7 | 2·41 | + 0·74 | | | | | | | | | | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | 4·1 | — | 40 | 4 | 21 | 38·0 | +1·5 | 39·3 | +1·8 | Crathes S. |
| *p* Gordon Castle | 101 | 50 | 1, 7 | 33 | 2, 5 | 46·0 | 34·3 | 40·0 | + 1·1 | 11 | 29 | 6 | 0·84 | + 0·32 | *3·1* | — | *30* | | | | | | | *Gordon Castle.* |
| *a* Nairn | 82 | 44 | 1, 4, 6 | 33 | 2, 5 7 | 43·0 | 34·0 | 38·4 | + 0·1 | 3 | 28 | 6 | 1·10 | + 0·65 | 3·2 | — | 31 | | | | | | | Nairn. |
| *a* Aberdeen | 46 | 50 | 1st | 32 | 2, 3 | 45·7 | 34·9 | 40·1 | + 1·4 | 10 | 26 | 4 | 0·67 | + 0·14 | 4·0 | + 0·9 | 39 | | | | | 41·0 | +1·9 | Aberdeen. |
| *a* Balmoral | 930 | 47 | 7th | 29 | 7th | 42·7 | 32·7 | 37·6 | + 3·1 | *2* | 32 | 5 | 0·85 | + 0·21 | | | | 5 | 25 | | | | | Balmoral. |
| *p* Crieff | 440 | 48 | 6th | 30 | 2nd | 46·1 | 33·4 | 39·6 | + 0·9 | 11 | 32 | 6 | 0·44 | - 0·33 | 4·1 | — | 40 | | | | | | | Balruddery. |
| *a* Leith | 18 | 50 | 4, 5 | 35 | 2, 7 | 48·1 | 37·7 | 42·8 | + 2·9 | 24 | 12 | 5 | 0·35 | 0·00 | | | | | | | | | | |
| *p* West Linton | 800 | 47 | 5th | 28 | 7th | 43·4 | 32·3 | 37·7 | + 0·7 | 4 | 34 | 7 | 0·86 | — | *2·0* | — | *19* | 2 | 25 | | | | | *West Linton* |
| *p* Marchmont | 494 | 49 | 5th | 31 | 2nd | 46·7 | 34·7 | 40·5 | + 2·8 | 13 | 27 | 2 | 0·24 | - 0·29 | 3·1 | + 0·2 | 30 | 2 | 26 | 39·7 | +3·1 | | | Marchmont |
| *Edinburgh* | *441* | *48* | *4, 5* | *34* | *2nd* | *46·0* | *36·7* | *41·2* | — | *11* | *20* | *4* | 0·26 | — | *3·1* | + *0·7* | *30* | 2 | 28 | | | | | *Edinburgh.* |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 46 | 3, 5 | 31 | 7th | 43·9 | 36·7 | 40·2 | + 1·0 | 5 | 19 | 6 | 1·49 | + 0·63 | | | | | | | | | | |
| *p* Glasgow | 180 | 48 | 4–6 | 35 | 1, 2, 7 | 46·3 | 37·0 | 41·5 | + 2·2 | 12 | 19 | 6 | 1·13 | + 0·51 | 2·1 | + 0·1 | 20 | 2 | 27 | | | | | Glasgow. |
| *p* Rothesay | 73 | 48 | 4–6 | 30 | 7th | 46·4 | 36·7 | 41·4 | + 1·3 | 12 | 21 | 6 | 1·55 | + 0·73 | *2·3* | — | *22* | 1 | 29 | 41·4 | | 43·4 | +1·4 | *Rothesay.* |
| *a* Kilmarnock | 90 | 48 | 4, 5 | 30 | 7th | 46·7 | 36·7 | 41·6 | + 2·4 | 13 | 21 | 7 | 1·22 | — | *2·2* | — | *21* | 0 | 31 | | | | | *Kilmarnock.* |
| *a* Colmonell | 150 | 51 | 4th | 34 | 2nd | 46·9 | 38·7 | 42·7 | + 3·5 | 19 | 9 | 7 | 0·94 | + 0·10 | | | | 0 | 33 | | | | | |
| *p* Dumfries | 160 | 51 | 6th | 33 | 1st | 47·6 | 37·1 | 42·2 | + 2·6 | 22 | 14 | 6 | 0·48 | - 0·22 | *2·9* | — | *28* | 2 | 28 | 41·6 | | 42·3 | | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 50 | 5th | 32 | 7th | 48·0 | 37·7 | 42·7 | + 3·5 | 23 | 12 | 7 | 1·48 | + 0·53 | | | | | | | | | | |
| *b.* I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 51 | 4, 5 | 36 | 2nd | 48·4 | 39·1 | 43·6 | + 3·1 | 23 | 8 | 7 | 1·08 | + 0·34 | 3·4 | + 0·2 | 33 | 0 | 31 | | | | | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 53 | 1st | 35 | 2, 7 | 48·0 | 38·0 | 43·3 | + 4·5 | 26 | 11 | 4 | 0·21 | - 0·31 | 3·8 | — | 37 | 2 | 27 | 39·6 | +2·9 | 41·8 | +2·8 | Cockle Park |
| *a* Shields | 96 | 52 | 4th | 34 | 2, 3 | 47·9 | 38·9 | 43·3 | + 3·7 | 22 | 9 | *6* | 0·30 | - 0·14 | | | | | | | | | | |
| *p* Durham | 336 | 51 | 4–6 | 32 | 2nd | 48·7 | 37·0 | 42·7 | + 4·3 | 26 | 14 | 4 | 0·12 | - 0·23 | 3·6 | + 0·7 | 35 | 1 | 25 | | | | | Durham. |
| *a* Rounton | 249 | 51 | 4–6 | 31 | 2nd | 49·0 | 37·3 | 43·0 | + 4·8 | 27 | 13 | 3 | 0·17 | - 0·21 | | | | 1 | 24 | 42·0 | | | | Rounton. |
| *a West Witton* | *605* | *49* | *4, 5* | *32* | *2nd* | *46·1* | *37·7* | *41·8* | — | *11* | *17* | *6* | *0·57* | — | | | | 1 | 28 | 41·2 | | 41·2 | | *West Witton.* |
| *p* Scarborough | 100 | 51 | 4, 7 | 35 | 2nd | 49·1 | 39·6 | 44·2 | + 4·3 | 25 | 7 | 4 | 0·11 | - 0·32 | 4·3 | — | 41 | | | | | 44·0† | | Scarborough. |
| *p* York | 56 | 53 | 4–6 | 34 | 2nd | 50·1 | 39·9 | 44·9 | + 5·4 | 29 | 6 | 4 | 0·47 | + 0·09 | 3·3 | + 0·7 | 32 | | | 42·7 | +4·4 | 43·5 | +3·1 | York. |
| *a* Spurn Head | 26 | 50 | 5, 6 | 35 | 2nd | 47·9 | 38·9 | 43·3 | + 3·7 | 22 | 9 | 4 | 0·38 | + 0·08 | *2·8* | — | *27* | 2 | 26 | 41·9 | +3·7 | 44·0 | +3·3 | *Hull.* |
| *a* Lincoln | 58 | 53 | 4, 5 | 33 | 2nd | 50·0 | 39·7 | 44·7 | + 5·3 | 29 | 6 | 5 | 0·50 | + 0·13 | *3·4* | — | *33* | | | | | | | *Spurn Head.* |
| *a* Fulbeck | 180 | 53 | 4th | 33 | 2nd | 49·4 | 39·4 | 44·3 | + 4·6 | 27 | 7 | 5 | 0·48 | + 0·11 | | | | | | 42·1 | +5·0 | 43·3 | +3·7 | Lincoln. |
| | | | | | | | | | | | | | | | 3·2 | — | 30 | 2 | 21 | 43·2 | +4·0 | 44·1 | +2·3 | Rauceby. |
| | | | | | | | | | | | | | | | 3·0 | — | 28 | | | | | | | Skegness. |
| *p* Cromer | 196 | 52 | 5th | 35 | 2nd | 49·7 | 39·4 | 44·4 | + 5·9 | 28 | 7 | 5 | 0·42 | — | *3·7* | — | *35* | 3 | 29 | 42·0 | +3·2 | 42·8 | +2·0 | *Lowestoft.* |
| *p* Little Massingham | 280 | 51 | 4, 6 | 32 | 2nd | 48·7 | 38·6 | 43·5 | + 4·4 | 25 | 10 | 4 | 0·62 | + 0·20 | 3·7 | + 0·7 | 35 | | | | | | | Cromer. |
| *a* Yarmouth | 17 | 53 | 6th | 32 | 3rd | 50·9 | 36·4 | 43·4 | + 4·6 | 33 | 16 | 5 | 0·39 | + 0·05 | 2·9 | — | 27 | 2 | 28 | | | | | Lit. Massingham. |
| *a* Norwich | 93 | 54 | 6th | 32 | 2nd | 50·6 | 40·1 | 45·6 | + 6·6 | 33 | 5 | 4 | 0·52 | — | 3·9 | — | 37 | | | 41·9 | +3·2 | 44·1 | +2·3 | Yarmouth. |
| *p* Geldeston | 37 | 54 | 1, 4, 6 | 32 | 2nd | 51·7 | 39·1 | 45·2 | + 5·6 | 35 | 8 | 5 | 0·57 | + 0·23 | *3·2* | — | *30* | 2 | 27 | 41·4 | | | | *Norwich.* |
| *p* Cambridge | 41 | 55 | 4, 6 | 31 | 2nd | 50·7 | 39·4 | 44·9 | + 5·1 | 31 | 7 | 5 | 0·50 | + 0·18 | 3·0 | - 0·2 | 28 | | | | | | | Geldeston. |
| *a Felixstowe* | *10* | *56* | *6th* | *34* | *2nd* | *50·9* | *40·6* | *45·6* | + *5·9* | *31* | *4* | *4* | *0·43* | — | 2·5 | — | 24 | 2 | 27 | 42·7 | +3·5 | 44·0 | +2·4 | Cambridge. |
| *a* Clacton-on-Sea | 54 | 56 | 6th | 33 | 2nd | 50·0 | 38·4 | 44·0 | + 4·5 | 29 | 10 | 4 | 0·34 | — | *2·9* | — | *27* | | | | | | | *Felixstowe.* |
| *a* Rothamsted | 424 | 55 | 6th | 32 | 2nd | 51·3 | 39·1 | 45·0 | + 6·0 | 33 | 8 | 4 | 0·23 | - 0·20 | 2·8 | — | 26 | 2 | 27 | 43·4 | +3·1 | 44·9 | +1·8 | Clacton. |
| *a Shoeburyness* | *13* | *57* | *6th* | *33* | *2nd* | *50·6* | *40·3* | *45·3* | + *4·9* | *30* | *5* | *4* | *0·24* | - *0·04* | 3·0 | 0·0 | 28 | | | | | | | Rothamsted. |
| *p* Tottenham | 51 | 55 | 5th | 34 | 2nd | 51·0 | 42·0 | 46·4 | + 6·2 | 31 | 0 | 3 | 0·58 | — | *2·5* | — | *24* | 2 | 27 | 43·9 | +3·8 | | | *Southend.* |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | 2·7 | — | 26 | 1 | 30 | | | 44·9 | +2·4 | Tottenham. |
| *a* Harrogate | 476 | 50 | 4th | 32 | 2nd | 46·9 | 37·9 | 42·3 | + 4·3 | 19 | 11 | 5 | 0·72 | + 0·23 | *2·2* | — | *21* | 0 | 31 | 42·1 | +5·4 | 42·3 | +2·6 | *Huddersfield.* |
| *a* Bawtry | 65 | 53 | 4, 5 | 34 | 2nd | 49·1 | 40·4 | 44·6 | + 5·0 | 25 | 4 | 4 | 0·39 | + 0·04 | 3·1 | — | 30 | 2 | 27 | 41·6 | +3·5 | 42 0 | +2·6 | Harrogate. |
| *p Buxton* | *987* | *48* | *4, 6* | *33* | *2nd* | *44·7* | *37·3* | *40·9* | + *4·5* | *8* | *18* | *7* | *2·13* | + *1·22* | 2·5 | 0·0 | 24 | 3 | 24 | 42·5 | | 43·2 | | Worksop. |
| *a* Nottingham | 82 | 55 | 4th | 32 | 2nd | 49·7 | 39·1 | 44·2 | + 4·8 | 28 | 8 | 4 | 0·39 | + 0·04 | *1·8* | — | *17* | 0 | 31 | 40·8 | +3·6 | 42·4 | +2·1 | *Buxton.* |
| *p* Birmingham, Edgbsn. | 535 | 52 | 4th | 33 | 2nd | 48·0 | 39·7 | 43·7 | + 4·5 | 22 | 6 | 5 | 0·54 | + 0·13 | 2·4 | — | 23 | 2 | 28 | 42·5 | +5·0 | 42·1 | +3·2 | Nottingham. |
| *a* Raunds | 204 | 56 | 4th | 29 | 2nd | 52·1 | 38·7 | 45·2 | + 5·8 | 36 | 9 | 3 | 0·38 | — | 1·9 | — | 18 | 1 | 26 | 42·9 | +3·3 | 44·9 | +1·9 | Birmingham. |
| *p* Oxford | 208 | 57 | 6th | 31 | 2nd | 50·6 | 40·4 | 45·4 | + 5·1 | 31 | 4 | 5 | 0·38 | + 0·04 | *3·2* | — | *30* | 3 | 22 | 42·9 | | 44·9 | | *Raunds.* |
| *a* Cheadle | 646 | 51 | 4th | 31 | 2nd | 47·1 | 36·0 | 41·4 | + 3·0 | 14 | 24 | 6 | 1·06 | + 0·56 | 3·0 | + 0·1 | 28 | 3 | 24 | | | | | Oxford. |
| *p* Shrewsbury | 191 | 57 | 5th | 33 | 2nd | 51·9 | 39·6 | 45·6 | + 5·1 | 35 | 7 | 3 | 0·45 | — | 3·3 | — | 31 | 0 | 31 | 42·3 | +4·7 | 43·0 | +2·9 | Sheffield. |
| *a* Hereford§ | 291 | 55 | 4th | 32 | 2nd | 52·1 | 41·1 | 46·4 | + 6·2 | 35 | 3 | 4 | 0·26 | - 0·15 | | | | 1 | 28 | | | | | Cheadle. |
| *a* Cirencester | 446 | 54 | 6th | 31 | 2nd | 50·3 | 37·7 | 43·8 | + 4·8 | 31 | 12 | 4 | 0·44 | - 0·03 | | | | 0 | 31 | | | | | Shrewsbury. |
| *a* Bath | 66 | 55 | 6th | 34 | 2, 3 | 52·1 | 40·9 | 46·3 | + 5·6 | 35 | 3 | 5 | 0·37 | - 0·11 | *3·2* | | *21* | 1 | 27 | 42·6 | | 43·6 | | *Malvern.*§ |
| | | | | | | | | | | | | | | | 2·7 | - 0·4 | 26 | 0 | 31 | 42·7 | | 44·0 | | Cirencester. |
| | | | | | | | | | | | | | | | 2·6 | — | 25 | | | 44·3 | +3·9 | 45·0 | +1·6 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Kew | 18 | 55 | 6th | 34 | 2nd | 50·1 | 41·4 | 45·6 | + 5·2 | 28 | 2 | 6 | 0·33 | - 0·04 | 2·8 | + 0·2 | 26 | 3 | 30 | 42·7 | +2·9 | 45·8 | +3·1 | Canterbury. |
| *a* Marlborough | 424 | 53 | 6th | 29 | 2nd | 49·9 | 39·6 | 44·6 | + 5·4 | 28 | 7 | 5 | 0·59 | + 0·04 | 2·6 | 0·0 | 25 | 3 | 28 | 42·8 | +3·3 | 44·6 | +2·1 | Kew. |
| *a* Margate | 35 | 56 | 6th | 36 | 3rd | 51·4 | 41·1 | 46·1 | + 5·8 | 32 | 3 | 4 | 0·26 | - 0·09 | 2·2 | - 0·9 | 21 | 2 | 22 | | | 44·6 | | Marlborough. |
| *a* Wisley, Surrey | 150 | 55 | 6th | 31 | 1st | 51·0 | 39·6 | 45·1 | + 4·4 | 32 | 7 | 5 | 0·38 | — | 3·0 | — | 28 | 2 | 30 | 43·7 | +3·6 | 45·6 | +4·1 | Margate. |
| | | | | | | | | | | | | | | | 3·1 | — | 28 | 2 | 26 | 42·7 | +3·2 | 43·5 | +1·6 | Wisley. |
| *p* Salisbury (Wilton) | 180 | 56 | 6th | 31 | 2nd | 51·6 | 40·0 | 45·6 | + 5·7 | 34 | 6 | 6 | 0·57 | + 0·02 | | | | 1 | 27 | 43·5 | +2·8 | 45·0 | +2·0 | Worthing. |
| *a* Tunbridge Wells | 418 | | | | | | | | | | | | | | | | | 3 | 24 | 43·8 | | | | Salisbury. |
| *a* Dungeness | 21 | 53 | 6th | 31 | 2, 3 | 48·9 | 38·1 | 43·3 | + 3·0 | 25 | 11 | 3 | 0·61 | + 0·24 | 3·2 | — | 30 | | | | | | | Tunbridge Wells. |
| *p* Hastings | 178 | 54 | 6th | 33 | 2nd | 50·4 | 40·6 | 45·4 | + 4·8 | 30 | 4 | 5 | 0·64 | + 0·14 | *3·3* | - *0·2* | *31* | 3 | 28 | 43·0 | | 43·9 | | Littlestone. |
| *p* Southampton | 65 | 59 | 6th | 33 | 2nd | 52·3 | 41·3 | 46·6 | + 4·4 | 35 | 2 | 5 | 0·36 | - 0·14 | 3·0 | - 0·3 | 28 | 2 | 22 | | | | | *Hastings.* |
| *a* Ventnor | 80 | 54 | 7th | 38 | 2nd | 51·1 | 43·7 | 47·3 | + 5·0 | 37 | 0 | 5 | 0·34 | - 0·15 | 3·9 | + 0·3 | 37 | | | | | | | Southampton. |
| | | | | | | | | | | | | | | | *3·7* | — | *35* | 2 | 28 | 44·3 | +3·4 | 46·0 | +2·1 | Ventnor. |
| | | | | | | | | | | | | | | | 3·1 | - 0·2 | 29 | | | 43·7 | | 45·2 | | *Portsmouth.* |
| | | | | | | | | | | | | | | | *3·5* | — | *33* | | | 43·4 | | 43·8 | | Eastbourne. |
| LONDON. | | | | | | | | | | | | | | | *3·0* | - *0·4* | *28* | 0 | 31 | | | 43·2 | | *Bournemouth.* |
| *a Westminster* | *27* | *57* | *6th* | *33* | *2nd* | *52·1* | *41·7* | *46·8* | + *6·3* | *35* | *1* | *6* | *0·39* | + *0·01* | *2·4* | + *0·8* | *23* | 1 | 29 | | | | | *Brighton.* |
| *a Greenwich* | *155* | *57* | *6th* | *34* | *2nd* | *52·0* | *41·6* | *46·7* | + *5·9* | *35* | *1* | *5* | *0·41* | + *0·03* | *2·3* | - *0·2* | *22* | 3 | 25 | | | | | *Westminster.* |
| *a Hampstead* | *450* | *53* | *6th* | *31* | *2nd* | *50·1* | *39·4* | *44·6* | — | *29* | *7* | *5* | *0·65* | — | *2·5* | — | *24* | ? | ? | | | | | *Greenwich.* |
| *a Camden Square* | *110* | *56* | *6th* | *32* | *2nd* | *52·3* | *40·9* | *46·4* | — | *35* | *3* | *6* | *0·65* | — | *2·4* | — | *23* | 1 | 30 | | | | | *Hampstead.* |
| | | | | | | | | | | | | | | | *1·3* | — | *12* | 1 | 29 | 41·7 | +4·2 | 42·5 | +2·6 | *Camden Square.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | 2·5 | — | 24 | | | | | | | *Burnley.* |
| *p* Aspatria | 250 | 49 | 5th | 34 | 2nd | 46·3 | 37·9 | 42·0 | + 3·6 | 12 | 11 | 7 | 0·84 | + 0·24 | 1·8 | — | 17 | 1 | 30 | 43·0 | | 43·9 | | Hoylake. |
| *p* Newton Rigg | 559 | 50 | 4–6 | 34 | 1, 2 | 47·1 | 37·1 | 42·0 | + 4·6 | 14 | 14 | 7 | 0·56 | - 0·11 | 2·4 | - 0·3 | 23 | 4 | 25 | 41·8 | +3·4 | 41·9 | +2·3 | Aspatria |
| *p* Stonyhurst | 375 | 49 | 6th | 35 | 2nd | 46·4 | 38·7 | 42·4 | + 3·6 | 17 | 9 | 7 | 2·13 | + 1·32 | 1·4 | - 1·2 | 14 | 1 | 29 | | | | | Newton Rigg. |
| *p* Blackpool | 66 | 50 | 1st | 39 | 2nd | 47·3 | 41·6 | 44·4 | + 4·5 | 18 | 1 | 6 | 0·77 | + 0·24 | 1·8 | - 0·9 | 17 | 0 | 33 | 43·4 | | 44·9 | | Stonyhurst |
| *p* Manchester (Whit. Pk.) | 125 | 52 | 6th | 35 | 2nd | 48·4 | 40·6 | 44·4 | + 4·2 | 23 | 4 | 6 | 1·25 | + 0·83 | *1·4* | - *0·2* | *14* | 0 | 33 | | | | | Blackpool. |
| *a* Liverpool (Bidston) | 188 | 53 | 5th | 37 | 2nd | 48·1 | 41·0 | 44·5 | + 3·8 | 22 | 3 | 5 | 0·59 | + 0·14 | *2·5* | — | *24* | | | | | | | *Whit. Park.* |
| *a Hawarden Bridge* | *22* | *56* | *4th* | *37* | *2nd* | *50·6* | *42·4* | *46·4* | + *5·3* | *31* | *0* | *6* | *0·60* | + *0·24* | *2·4* | - *0·5* | *23* | 0 | 33 | 43·4 | +5·0 | 43·3 | +3·2 | *Liverpool.* |
| | | | | | | | | | | | | | | | *1·0* | — | *10* | 1 | 30 | 42·9 | +4·7 | 44·9 | +3·5 | *Southport.* |
| **b**, NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | *Manchester (City).* |
| *p* Llandudno | 71 | 51 | 4, 5 | 39 | 1st | 48·7 | 43·3 | 45·9 | + 4·0 | 27 | 0 | 5 | 0·88 | + 0·39 | 2·1 | - 0·9 | 20 | | | | | | | Llandudno. |
| *a* Holyhead | 57 | 51 | 5th | 38 | 2, 3 | 48·4 | 42·0 | 45·1 | + 3·2 | 22 | 0 | 5 | 0·87 | + 0·29 | *2·4* | — | *23* | | | | | | | *Holyhead.* |
| | | | | | | | | | | | | | | | 1·2 | — | 11 | | | | | | | Aberdovey. |

* For note see also opposite page. † At 3 feet. ‖ Hoar frost. § The temperature on the grass refers to Hereford.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average. | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | * | in. | in. | hr | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES. | | | | | | | | | | | | | | | 1·2 | — | 11 | * | * | * | * | * | * | Aberystwyth. |
| *a* Llangammarch Wells | 550 | 50 | 4,5 | 34 | 2nd | 48·7 | 40·3 | 44·4 | + 5·8 | 24 | 5 | 7 | 2·38 | — | 1·1 | — | 10 | ?1 | — | 43·3 | +3·7 | 45·0 | +2·2 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 50 | 6th | 39 | 4th | 48·1 | 42·7 | 45·3 | + 3·1 | 23 | 0 | 6 | 0·67 | + 0·08 | 2·5 | - 0·8 | 24 | * | * | * | * | * | * | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 53 | 6th | 33 | 2nd | 49·7 | 40·9 | 45·2 | + 4·3 | 27 | 3 | 6 | 1·33 | + 0·63 | *2·8* | — | *26* | 1 | 28 | 44·1 | +4·0 | 44·6 | +2·2 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 53 | 7th | 35 | 2nd | 50·1 | 42·1 | 46·0 | + 5·2 | 28 | 0 | 5 | 0·78 | + 0·24 | 2·7 | — | *26* | 1 | 30 | — | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 55 | 6th | 31 | 2nd | 49·3 | 39·7 | 44·4 | + 5·5 | 26 | 6 | 7 | 0·68 | + 0·13 | * | * | * | * | * | 43·6 | * | 44·2 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 50 | 1, 6 | 34 | 2nd | 48·3 | 40·4 | 44·2 | + 4·3 | 22 | 4 | 6 | 2·33 | + 1·42 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *52* | *1, 7* | *41* | *2nd* | *50·1* | *45·3* | *47·6* | + *4·1* | *33* | *0* | *6* | *0·93* | + *0·33* | 3·2 | - 0·2 | 30 | 0 | 34 | 46·9 | * | 46·7 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 56 | 6, 7 | 33 | 2nd | 52·6 | 42·1 | 47·2 | + 6·0 | 36 | 0 | 7 | 1·12 | + 0·49 | 2·9 | - 0·2 | 27 | 2 | 27 | 45·2 | * | * | * | Cullompton. |
| *a* Portland .. .. | 19 | 51 | 6, 7 | 40 | 3rd | 49·3 | 44·1 | 46·6 | + 4·5 | 32 | 0 | 7 | 0·15 | — | *3·4* | — | 32 | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 56 | 7th | 37 | 2nd | 51·6 | 44·0 | 47·7 | + 5·0 | 40 | 0 | 7 | 0·95 | + 0·32 | 3·3 | - 0·1 | 31 | 0 | 31 | 46·0 | +3·8 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 57 | 7th | 38 | 2nd | 52·3 | 43·0 | 47·5 | + 4·1 | 39 | 0 | 7 | 1·17 | + 0·37 | 4·1 | — | 38 | 0 | 31 | 47·3 | * | 47·5 | * | Falmouth. |
| **9.** IRELAND. N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Malin Head .. .. | 208 | 50 | 4th | 35 | 2nd | 45·6 | 38·3 | 41·8 | + 0·6 | 10 | 14 | 7 | 1·12 | + 0·60 | * | * | * | * | * | * | * | * | * | |
| *a*, West .. *a* Blacksod Point .. | 37 | 51 | 4,5 | 35 | 2nd | 48·3 | 40·1 | 44·1 | + 1·3 | 23 | 5 | 7 | 1·81 | + 0·94 | * | * | * | * | * | * | * | * | * | |
| *p* Markree Castle .. | 122 | 54 | 5th | 33 | 1st | 49·9 | 38·4 | 44·0 | + 3·4 | 29 | 10 | 7 | 1·98 | + 1·24 | 1·4 | - 1·3 | 14 | 3 | 28 | 43·5 | * | 44·4 | * | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 53 | 5th | 33 | 2nd | 48·7 | 39·0 | 43·7 | + 2·9 | 25 | 8 | 7 | 0·90 | + 0·38 | *2·0* | *- 0·9* | *19* | * | * | * | * | * | * | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 52 | 4,5 | 32 | 2nd | 48·6 | 37·6 | 42·9 | + 2·5 | 25 | 12 | 7 | 1·59 | + 1·08 | 2·5 | - 0·2 | 24 | 0 | 31 | 42·8 | +2·0 | 43·9 | +1·0 | Armagh. |
| *a* Donaghadee .. .. | 40 | 53 | 4,5 | 33 | 2nd | 48·7 | 37·9 | 43·1 | + 1·9 | 25 | 11 | 7 | 0·60 | + 0·05 | * | * | * | * | * | * | * | * | * | |
| | | | | | | | | | | | | | | | | | | 1 | 29 | 44·7 | +3·0 | 45·1 | +1·3 | Trinity Coll. |
| | | | | | | | | | | | | | | | 3·1 | 0·0 | 29 | 1 | 28 | * | * | * | * | Phœnix Park. |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | * | * | * | 0 | 32 | * | * | * | * | Dublin City. |
| *p* Dublin, City .. .. | 47 | 55 | 4th | 34 | 2nd | 50·2 | 40·2 | 45·1 | + 2·4 | 29 | 5 | 5 | 0·56 | + 0·11 | * | * | * | * | * | * | * | * | * | |
| *a*, East .. *a* Kilkenny .. .. | 195 | 54 | 4,5 | 32 | 2nd | 50·1 | 39·7 | 44·8 | + 3·5 | 29 | 6 | 7 | 0·67 | + 0·09 | * | * | * | * | * | * | * | * | * | |
| *a* Waterford .. .. | 100 | 57 | 4,5 | 35 | 2nd | 50·9 | 41·6 | 46·1 | + 4·1 | 30 | 1 | 5 | 0·77 | + 0·03 | * | * | * | * | * | * | * | * | * | |
| *a Carrick-on-Suir* .. | *541* | *56* | *4,5* | *32* | *2, 3* | *50·4* | *38·4* | *44·2* | — | *31* | *10* | *7* | *0·65* | — | *2·6* | — | *25* | 2 | 30 | * | * | * | * | *Carrick-on-Suir.* |
| *a* Birr Castle .. .. | 175 | 53 | 5th | 33 | 2nd | 48·7 | 39·0 | 43·7 | + 2·9 | 25 | 8 | 7 | 0·90 | + 0·38 | 2·0 | - 0·9 | 19 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes .. .. | 50 | — | — | 34 | 2nd | — | 40·1 | — | — | — | — | 7 | 1·88 | + 1·19 | * | * | * | * | * | * | * | * | * | |
| *a* Cahir .. .. | 199 | 56 | 4,5 | 34 | 1st | 50·6 | 40·9 | 45·6 | + 3·8 | 30 | 3 | 7 | 0·91 | — | * | * | * | * | * | * | * | * | * | |
| *b*, West .. *a* Killarney .. | 174 | 56 | 7th | 36 | 2nd | 51·6 | 42·2 | 46·8 | + 4·0 | 34 | 0 | 7 | 1·31 | + 0·15 | * | * | * | * | * | * | * | * | * | |
| *a* Valencia .. .. | 30 | 52 | 4,5 | 40 | 2nd | 50·3 | 44·0 | 47·1 | + 2·7 | 36 | 0 | 7 | 0·92 | - 0·19 | 1·6 | - 1·5 | 15 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. .. | 32 | 55 | 4th | 37 | 2nd | 51·0 | 42·3 | 46·5 | + 3·1 | 32 | 0 | 7 | 0·47 | - 0·28 | 1·6 | * | 24 | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 54 | 7th | 39 | 2nd | 51·1 | 44·6 | 47·8 | + 2·6 | 41 | 0 | 7 | 0·39 | - 0·21 | 3·0 | - 0·7 | 28 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 53 | 6th | 35 | 1st | 51·0 | 42·9 | 46·8 | + 3·3 | 34 | 0 | 7 | 0·69 | + 0·16 | 2·3 | - 1·6 | 22 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 53 | 1, 7 | 39 | 2nd | 50·6 | 44·3 | 47·4 | + 3·4 | 38 | 0 | 7 | 0·77 | + 0·15 | 2·5 | - 1·3 | 23 | 0 | 35 | 46·3 | +3·1 | 46·0 | +1·0 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 3·5 hrs. 33 %; Ramsgate, 2·8 hrs. 26 %; Rhyl, 2·8 hrs. 26 %; Salcombe, 3·8 hrs. 36 %; Tenby, 2·7 hrs. (−0·8) 26 %; Torquay, 3·9 hrs. (+0·4) 36 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Mar. 7th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 44 | 42 | 43·3 | +1·3 |
| Kirkwall .. .. | 44 | 41 | 42·4 | +2·0 |
| Wick .. .. .. | 44 | 43 | 43·7 | +0·7 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 44 | 36 | 39·9 | +0·6 |
| Pennan Bay .. .. | 44 | 43 | 43·7 | +3·7 |
| Aberdeen, Cove Bay | 42 | 42 | 42·0 | +1·6 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 45 | 44 | 44·9 | +1·3 |
| Ballantrae .. .. | 47 | 43 | 45·2 | +2·4 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 41 | 39 | 40·4 | +1·2 |
| Scarborough .. .. | 43 | 38 | 40·1 | −0·3 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 44 | 43 | 43·7 | +3·7 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 45 | 44 | 44·4 | +3·4 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 47 | 45 | 45·9 | +1·9 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 50 | 50 | 50·0 | +4·0 |
| Scilly .. .. .. | 49 | 49 | 49·0 | — |
| Plymouth‡ .. .. | 49 | 47 | 47·8 | +1·7 |
| Salcombe .. .. | 49 | 46 | 48·2 | +3·1 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 47 | 45 | 46·3 | +1·5 |
| Teelin .. .. .. | 47 | 44 | 45·4 | +0·7 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 46 | 45 | 45·6 | +1·1 |
| Seafield .. .. | 51 | 44 | 47·3 | +1·6 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, Mar. 7th.

| DISTRICT AND STATION | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. | d. | h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | | | |
| Aberdeen .. .. | 105 | 6th | 3 | 6, 7 | 19 | 53 | 93 | NW.byW 19 | 6th 14h. | 29 | 6th | 14 . 20 |
| Rosyth .. .. | 73 | 6th | 2 | 2, 3, 5, 6 | 28 | 93 | 45 | W. by S. 20 | 6th 2h. | 30 | 6th | 10 . 35 |
| **6.** SCOTLAND, W. | | | | | | | | | | | | |
| Eskdalemuir .. | 50 | 6th | 1 | 1, 3, 5 to 7 | 32 | 88 | 47 | WSW. 17 | 6th 12h. | 28 | 6th | 11 . 50 |
| Paisley (Coats Obs.) | 80 | — | — | 6th | 8§ | 66§ | 83§ | W. by N. 14 | 6th 10h. | 31 | 6th | 11 . 5 |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | 6th | 3 | 69 | 96 | — 13 | 6th 1h. | 24 | 6th | 13 . 35 |
| South Shields .. | 61 | 6th | 5 | 1 to 3, 6 | 18 | 95 | 50 | W. by N. 20 | 6th 13h. | 30 | 6th | 12 . 55 |
| Spurn Head .. | 40 | 6th | 6 | 3, 5, 6 | 14 | 97 | 51 | NW.byW 22 | 6th 15h. | 35 | 6th | 15 . 5 |
| **3.** ENGLAND, E. | | | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 6th | 4 | 100 | 64 | — 12 | 6th 17h. | 19 | 6th | 17 . 15 |
| Shoeburyness .. | 90 | — | — | 5, 6 | 6 | 98 | 64 | — 12 | 6th 18h. | 23 | 6th | 17 . 15 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | |
| Pyrton Hill .. | 45 | — | — | 5, 6 | 8 | 85 | 75 | — 12 | 6th 12h. | 17 | 5th | 14 . 55 |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 5, 6 | 9§ | 86§ | 58§ | — 15 | 5th 19h. | 21 | 5th | 18 . 45 |
| Warlingham .. | 33 | — | — | 6th | 1 | 68 | 99 | — 12 | 6th 16h. | 23 | 6th | 15 . 55 |
| Brighton .. .. | 53 | — | — | 5, 6 | 3 | 86 | 79 | — 12 | 6th 17h. | 22 | 6th | 17 . 5 |
| Kew .. .. .. | 40 | — | — | 6th | 6 | 77 | 85 | — 13 | 6th 16h. | 21 | 6th | 14 . 0 |
| South Kensington | 92 | — | — | — | — | 18§ | 142§ | W. 8 | 6th 17h. | 15 | 6th | 12 . 0 |
| **7.** ENGLAND, N.W. | | | | | | | | | | | | |
| Southport .. .. | 62 | 6th | 7 | 1 to 7 | 111 | 43 | 7 | W. by S. 21 | 6th 13h. | 27 | 6th | 12 . 25 |
| Holyhead .. .. | 40 | — | — | 1 to 6 | 69 | 89 | 10 | W. by S. 17 | 6th 5h. | 26 | 6th | 5 . 15 |
| **8.** ENGLAND, S.W. | | | | | | | | | | | | |
| Pendennis Castle.. | 65 | 5th | 4 | 1, 3 to 7 | 82 | 79 | 3 | WSW. 18 | 5th 17h. | 23 | 5th | 17 . 15 |
| Plymouth .. .. | 86 | — | — | — | — | 58 | 110 | — 9 | 5th 17h. 7th 10h. | 15 | 7th | 10 . 15 |
| **10.** IRELAND, S. | | | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 1 to 6 | 72 | 71 | 25 | — 13 | 5th 9h. | 22 | 1st | 18 . 55 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — | — | — | — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | 1 to 7 | 109§ | 36§ | 5§ | NNW. 15 | 6th 16h. | 24 | 1st | 21 . 5 |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**NINTH WEEK**—March 1st to March 7th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 48 | 26 | 43·4 | 34·2 | 38·7 | + 0·8 | 4 | − 2 | 28 | − 8 | 7 | + 2 | 1·68 | +0·77 | 2·6 | +0·2 | 26 | 995 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 50 | 28 | 45·2 | 34·3 | 39·6 | + 2·3 | 9 | + 2 | 28 | −13 | 5 | + 1 | 0·67 | +0·16 | 3·6 | +0·8 | 35 | 997 |
| 2. ENGLAND, N.E. ... ... | 53 | 31 | 49·0 | 38·7 | 43·7 | + 5·0 | 26 | + 16 | 9 | −24 | 4 | 0 | 0·30 | −0·05 | 3·5 | +0·6 | 34 | 1002 |
| 3. ENGLAND, EAST ... | 56 | 31 | 50·5 | 39·2 | 44·7 | + 5·9 | 31 | + 18 | 8 | −29 | 4 | − 1 | 0·46 | +0·11 | 3·1 | +0·1 | 29 | 1006 |
| 4. MIDLAND COUNTIES ... | 57 | 29 | 50·0 | 39·2 | 44·4 | + 5·6 | 29 | + 15 | 8 | −28 | 4 | 0 | 0·49 | +0·07 | 2·7 | 0·0 | 25 | 1008 |
| 5. ENGLAND, S.E. ... ... | 59 | 31 | 50·7 | 40·6 | 45·5 | + 5·5 | 30 | + 15 | 4 | −25 | 5 | + 1 | 0·45 | −0·01 | 3·0 | −0·1 | 28 | 1009 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 51 | 30 | 46·8 | 37·5 | 42·0 | + 2·9 | 13 | + 4 | 13 | −17 | 7 | + 3 | 1·17 | +0·35 | 2·8 | +0·2 | 26 | 1001 |
| 7. ENGLAND, N.W. ... ... | 53 | 34 | 47·6 | 40·3 | 43·8 | + 4·3 | 20 | + 9 | 5 | −24 | 6 | + 3 | 0·99 | +0·44 | 1·9 | −0·9 | 18 | 1006 |
| 8. ENGLAND, S.W. ... ... | 57 | 31 | 50·0 | 41·9 | 45·9 | + 4·9 | 28 | + 11 | 0 | −24 | 7 | + 4 | 1·16 | +0·46 | 2·6 | −0·5 | 24 | 1011 |
| 9. IRELAND, NORTH ... | 54 | 32 | 48·3 | 38·6 | 43·3 | + 2·8 | 23 | + 8 | 10 | −15 | 7 | + 2 | 1·33 | +0·68 | 2·0 | −0·7 | 19 | 1004 |
| 10. IRELAND, SOUTH ... | 57 | 32 | 50·4 | 41·2 | 45·7 | + 3·5 | 29 | + 8 | 2 | −17 | 7 | + 3 | 0·93 | +0·19 | 2·3 | −0·9 | 22 | 1010 |
| 11. ENGLISH CHANNEL ... | 54 | 35 | 50·9 | 43·9 | 47·3 | + 3·5 | 37 | + 14 | 0 | − 9 | 7 | + 3 | 0·62 | +0·01 | 2·6 | −1·2 | 24 | 1014 |

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 1 Week, March 1st to March 7th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 48 | 26 | * | * | * | * | 4 | − 2 | 28 | − 8 | 7 | + 2 | 1·68 | +0·77 | 2·6 | +0·2 | 26 | 995 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 50 | 28 | * | * | * | * | 9 | + 2 | 28 | − 13 | 5 | + 1 | 0·67 | +0·16 | 3·6 | +0·8 | 35 | 997 |
| 2. ENGLAND, N.E. ... ... | 53 | 31 | * | * | * | * | 26 | + 16 | 9 | − 24 | 4 | 0 | 0·30 | −0·05 | 3·5 | +0·6 | 34 | 1002 |
| 3. ENGLAND, EAST ... | 56 | 31 | * | * | * | * | 31 | + 18 | 8 | − 29 | 4 | − 1 | 0·46 | +0·11 | 3·1 | +0·1 | 29 | 1006 |
| 4. MIDLAND COUNTIES ... | 57 | 29 | * | * | * | * | 29 | + 15 | 8 | − 28 | 4 | 0 | 0·49 | +0·07 | 2·7 | 0·0 | 25 | 1008 |
| 5. ENGLAND, S.E. ... ... | 59 | 31 | * | * | * | * | 30 | + 15 | 4 | − 25 | 5 | + 1 | 0·45 | −0·01 | 3·0 | −0·1 | 28 | 1009 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 51 | 30 | * | * | * | * | 13 | + 4 | 13 | − 17 | 7 | + 3 | 1·17 | +0·35 | 2·8 | +0·2 | 26 | 1001 |
| 7. ENGLAND, N.W. ... ... | 53 | 34 | * | * | * | * | 20 | + 9 | 5 | − 24 | 6 | + 3 | 0·99 | +0·44 | 1·9 | −0·9 | 18 | 1006 |
| 8. ENGLAND, S.W. ... ... | 57 | 31 | * | * | * | * | 28 | + 11 | 0 | − 24 | 7 | + 4 | 1·16 | +0·46 | 2·6 | −0·5 | 24 | 1011 |
| 9. IRELAND, NORTH ... | 54 | 32 | * | * | * | * | 23 | + 8 | 10 | − 15 | 7 | + 2 | 1·33 | +0·68 | 2·0 | −0·7 | 19 | 1004 |
| 10. IRELAND, SOUTH ... | 57 | 32 | * | * | * | * | 29 | + 8 | 2 | − 17 | 7 | + 3 | 0·93 | +0·19 | 2·3 | −0·9 | 22 | 1010 |
| 11. ENGLISH CHANNEL ... | 54 | 35 | * | * | * | * | 37 | + 14 | 0 | − 9 | 7 | + 3 | 0·62 | +0·01 | 2·6 | −1·2 | 24 | 1014 |

THE YEAR.—Aggregates, &c., for the Period of 9 Weeks, January 4th, 1914, to March 7th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 56 | 16 | * | * | * | * | 80 | + 20 | 258 | − 72 | 47 | + 1 | 13·19 | +2·23 | 1·4 | 0·0 | 17 | 1002 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 58 | 15 | * | * | * | * | 96 | + 28 | 299 | − 78 | 39 | + 4 | 5·65 | +0·66 | 1·9 | −0·1 | 23 | 1005 |
| 2. ENGLAND, N.E. ... ... | 59 | 24 | * | * | * | * | 173 | + 93 | 182 | −119 | 36 | + 3 | 2·99 | −0·40 | 2·0 | 0·0 | 23 | 1009 |
| 3. ENGLAND, EAST ... | 58 | 19 | * | * | * | * | 170 | + 80 | 199 | −140 | 31 | − 3 | 3·59 | +0·22 | 2·2 | 0·0 | 25 | 1013 |
| 4. MIDLAND COUNTIES ... | 61 | 15 | * | * | * | * | 179 | + 75 | 232 | −104 | 32 | − 1 | 3·45 | −0·73 | 1·7 | −0·2 | 19 | 1013 |
| 5. ENGLAND, S.E. ... ... | 59 | 10 | * | * | * | * | 184 | + 66 | 185 | − 74 | 33 | + 1 | 5·03 | +0·58 | 2·4 | +0·3 | 26 | 1014 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 55 | 18 | * | * | * | * | 124 | + 35 | 196 | − 66 | 47 | + 7 | 10·23 | +1·38 | 1·2 | −0·5 | 14 | 1007 |
| 7. ENGLAND, N.W. ... ... | 58 | 22 | * | * | * | * | 181 | + 87 | 142 | −109 | 38 | + 2 | 6·57 | +0·90 | 1·6 | −0·2 | 19 | 1010 |
| 8. ENGLAND, S.W. ... ... | 58 | 19 | * | * | * | * | 200 | + 49 | 141 | − 58 | 41 | + 5 | 7·62 | +0·62 | 1·8 | −0·4 | 20 | 1012 |
| 9. IRELAND, NORTH ... | 57 | 25 | * | * | * | * | 177 | + 52 | 144 | − 73 | 47 | + 5 | 8·85 | +2·32 | 1·2 | −0·7 | 14 | 1015 |
| 10. IRELAND, SOUTH ... | 59 | 24 | * | * | * | * | 222 | + 36 | 110 | − 55 | 49 | +11 | 9·65 | +2·10 | 1·7 | −0·5 | 20 | 1008 |
| 11. ENGLISH CHANNEL ... | 55 | 25 | * | * | * | * | 240 | + 21 | 66 | − 13 | 41 | 0 | 5·99 | +0·08 | 2·5 | −0·2 | 27 | 1014 |

M.O., March 10, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 10. TENTH WEEK, SUNDAY, MARCH 8TH, TO SATURDAY, MARCH 14TH, 1914. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

**Remarks on Wind and Weather.** The weather of the week was generally of a mild, wet and windy character in the south. In the north conditions were finer and cooler. A number of depressions, secondary to a large disturbance on the northern half of the Atlantic, governed the weather over this country. As a rule they were of no great depth, the barometer descending to about 1,000 millibars, but on the 14th a deeper one arrived over the north of Ireland, with the barometer down to 975 millibars, the system later moving northward across Scotland. The winds varied a good deal in direction, South-Westerly to North-Westerly predominating, but the arrival of the more intense depression near the close of the period was marked by exceedingly stormy conditions over a great part of the Kingdom, with gusts of storm force in southern districts. Rain was of daily occurrence over a wide area, snow or hail at times. Generally the daily falls were not large, there being few instances of more than an inch, but the aggregate totals for the week were far in excess of the normal in nearly all districts, more than five times the usual quantity in England E., and more than four times in England S.E. Thunderstorms, or thunder or lightning alone, visited various parts of England and Ireland on the 9th, 10th and 14th.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Moderate | Unusual | Moderate | Unusual | Moderate | Moderate | Unusual | Moderate | Moderate | Unusual |
| | Rainfall ... | Moderate | Heavy | Heavy | Very heavy | Very heavy | Very heavy | Heavy | Heavy | Very heavy | Heavy | Heavy | Very heavy |
| | Sunshine ... | Abundant | Moderate | Moderate | Scanty | Moderate | Moderate | Abundant | Abundant | Scanty | Moderate | Moderate | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 2 weeks from March 1st, 1914. | Warmth ... | 0*0 | 0*0 | 1*0 | 2*0 | 1·0 | 2*0 | 1*0 | 1*0 | 2*0 | 1*0 | 1*0 | 2*0 |
| | Rainfall ... | 1*0 | 2*0 | 1*0 | 2*0 | 1*0 | 1*0 | 2*0 | 2*0 | 2*0 | 2*0 | 1*0 | 1*0 |
| | Sunshine ... | 1*0 | 1*0 | 0*0 | 0*1 | 0*0 | 0*0 | 1*0 | 1*1 | 0*1 | 0*1 | 0*1 | 0*2 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 1913. Mar. 2nd.–May 31st. 13 weeks. | Warmth ... | 2*5 | 2*5 | 5*2 | 5*2 | 4*2 | 4*2 | 2*4 | 4*3 | 3*2 | 1*3 | 1*3 | 3*4 |
| | Rainfall ... | 6*2 | 5*3 | 5*4 | 5*2 | 7*3 | 6*1 | 8*2 | 7*3 | 6*1 | 7*2 | 6*1 | 7*3 |
| | Sunshine ... | 3*3 | 2*3 | 1*4 | 2*6 | 2*5 | 2*4 | 1*8 | 1*4 | 0*6 | 2*5 | 1*6 | 0*10 |
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4*3 | 2*4 | 3*5 | 3*5 | 3*5 | 2*6 | 3*4 | 3*5 | 5*5 | 3*5 | 4*4 | 1*6 |
| | Rainfall ... | 2*8 | 1*9 | 0*10 | 1*5 | 0*9 | 1*9 | 2*7 | 3*8 | 1*11 | 1*8 | 2*9 | 1*5 |
| | Sunshine ... | 4*5 | 4*4 | 4*7 | 2*7 | 2*8 | 1*7 | 5*5 | 6*5 | 3*4 | 6*6 | 5*4 | 3*9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6*0 | 8*0 | 8*0 | 10*0 | 11*0 | 11*0 | 6*0 | 9*0 | 9*0 | 8*0 | 9*2 | 11*0 |
| | Rainfall ... | 4*4 | 2*4 | 4*6 | 5*6 | 5*4 | 5*5 | 2*4 | 4*6 | 3*5 | 3*2 | 7*1 | 4*3 |
| | Sunshine ... | 5*4 | 5*6 | 6*3 | 4*1 | 4*3 | 5*2 | 1*4 | 6*3 | 4*6 | 2*5 | 2*6 | 2 4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth .. | 6*3 | 7*2 | 7*2 | 9*3 | 7*4 | 7*4 | 4*2 | 8*3 | 7*4 | 7*2 | 7*4 | 6*4 |
| | Rainfall ... | 5*2 | 5*4 | 1*7 | 3*9 | 2*8 | 3*5 | 5*4 | 5*6 | 3*5 | 5*5 | 4*6 | 5*7 |
| | Sunshine ... | 3*1 | 2*2 | 1*2 | 3*4 | 2*6 | 4*4 | 2*6 | 2*0 | 3*5 | 1*9 | 1*7 | 2*5 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

(759—19.) Wt. 196—786. 450. 3/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | Mean for the Week. | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Accumulated Heat for the Week (in Day degrees). Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr | % | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | *46* | *14th* | *30* | *10th* | *42·7* | *34·3* | *38·4* | — | *2* | *27* | *6* | *0·46* | — | *3·5* | — | *33* | * | * | | | | | *Baltasound.* |
| *a* Lerwick | 54 | 46 | 13, 14 | 30 | 11th | 42·9 | 33·4 | 38·0 | − 0·4 | 3 | 30 | 7 | 0·98 | — | 4·0 | + 1·1 | 37 | * | * | | | | | Deerness. |
| *a* Stornoway | 51 | 50 | 12th | 29 | 8-10 | 45·0 | 33·0 | 38·8 | 0·4 | 8 | 32 | 6 | 0·95 | − 0·01 | ? | ? | ? | * | * | | | | | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *49* | *12th* | *32* | *10th* | *45·7* | *37·3* | *41·4* | + *0·4* | *10* | *18* | *6* | *0·99* | — | *4·4* | — | *40* | * | * | | | | | *Castlebay.* |
| *a* Wick | 81 | 46 | 14th | 27 | 9, 12 | 42·3 | 30·7 | 36·3 | − 2·4 | 1 | 38 | 6 | 0·63 | + 0·13 | * | * | * | * | * | | | | | |
| *p* Strathpeffer | 200 | 48 | 14th | 25 | 9th | 43·7 | 31·1 | 37·2 | − 0·9 | 5 | 38 | 6 | 0·27 | − 0·35 | 4·4 | + 1·7 | 40 | * | * | | | | | Strathpeffer. |
| *p* Glencarron | 500 | 50 | 12th | 24 | 8th | 44·1 | 33·3 | 38·5 | + 1·0 | 6 | 31 | 7 | 1·69 | − 0·10 | * | * | * | * | * | | | | | |
| *p* Fort Augustus | 68 | 49 | 13, 14 | 22 | 9th | 46·7 | 30·6 | 38·4 | − 0·2 | 13 | 41 | 5 | 0·38 | − 0·51 | 4·0 | + 1·8 | 37 | * | * | | | | | Fort Augustus. |
| *p* Fort William | 175 | 50 | 13th | 24 | 9th | 44·6 | 32·6 | 38·4 | − 1·4 | 7 | 33 | 5 | 1·01 | − 0·61 | * | * | * | * | * | | | | | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle | 101 | 50 | 14th | 28 | 9th | 46·0 | 33·0 | 39·3 | − 0·2 | 11 | 33 | 7 | 0·43 | − 0·09 | 3·9 | — | 36 | 5 | 19 | 36·3 | −0·6 | 39·0 | +1·1 | Crathes S. |
| *a* Nairn | 82 | 50 | 14th | 23 | 9, 10 | 44·4 | 28·0 | 36·0 | − 2·8 | 7 | 49 | 6 | 0·61 | + 0·18 | *4·8* | — | *44* | * | * | | | | | *Gordon Castle.* |
| *a* Aberdeen | 46 | 48 | 14th | 28 | 10, 11 | 44·3 | 30·3 | 37·1 | − 2·1 | 6 | 41 | 4 | 0·76 | + 0·24 | 5·1 | — | 47 | * | * | | | | | Nairn. |
| *a* Balmoral | 930 | 46 | 12, 13 | 16 | 9th | 43·0 | 24·1 | 33·3 | − 1·7 | 3 | 62 | 5 | 0·63 | − 0·02 | 3·4 | 0·0 | 31 | * | * | 40·6 | +1·4 | | | Aberdeen. |
| *p* Crieff | 440 | 48 | 11th | 24 | 9th | 44·6 | 29·9 | 37·0 | − 2·1 | 7 | 42 | 5 | 1·48 | + 0·76 | * | * | * | 6 | 14 | * | * | * | * | Balmoral. |
| *a* Leith | 18 | 50 | 13th | 29 | 9, 10 | 43·9 | 32·6 | 38·1 | − 2·4 | 5 | 33 | 6 | 0·52 | + 0·17 | 2·4 | — | 22 | * | * | * | * | * | * | Balruddery. |
| *p* West Linton | 800 | 48 | 12th | 17 | 11th | 41·3 | 27·1 | 34·0 | − 3·3 | 0 | 56 | 6 | 0·87 | — | *1·9* | — | *17* | 6 | 11 | * | * | * | * | *West Linton* |
| *p* Marchmont | 498 | 48 | 12, 14 | 24 | 10th | 44·3 | 30·1 | 37·0 | − 1·0 | 6 | 42 | 5 | 1·10 | + 0·55 | 3·3 | + 0·2 | 30 | 6 | 16 | 37·1 | −0·1 | * | * | Marchmont. |
| *Edinburgh* | *441* | *48* | *13–14* | *28* | *9th* | *43·0* | *33·0* | *37·9* | — | *3* | *32* | *5* | *0·76* | — | 3·1 | + 0·5 | 28 | 5 | 21 | * | * | * | * | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 50 | 12th | 25 | 9th | 45·4 | 32·4 | 38·7 | − 0·7 | 10 | 35 | 6 | 1·69 | + 0·86 | * | * | * | * | * | * | * | * | * | |
| *p* Glasgow | 180 | 49 | 13th | 27 | 9th | 44·9 | 33·6 | 39·1 | − 0·5 | 8 | 30 | 5 | 1·23 | + 0·64 | 2·7 | + 0·4 | 25 | 4 | 20 | * | * | * | * | Glasgow. |
| *p* Rothesay | 73 | 50 | 12th | 27 | 9th | 44·7 | 33·0 | 38·7 | − 1·8 | 8 | 32 | 6 | 1·70 | + 0·91 | *3·3* | * | *30* | 5 | 24 | 39·4 | * | 42·9 | +1·0 | *Rothesay.* |
| *a* Kilmarnock | 90 | 51 | 12th | 25 | 10, 11 | 45·0 | 31·7 | 38·2 | − 1·6 | 8 | 37 | 5 | 1·10 | — | *3·1* | — | *28* | * | * | * | * | * | * | *Kilmarnock.* |
| *a* Colmonell | 150 | 53 | 12th | 25 | 9th | 46·3 | 33·9 | 39·9 | 0·0 | 12 | 30 | 5 | 2·09 | + 1·29 | * | * | * | 3 | 23 | * | * | * | * | |
| *p* Dumfries | 180 | 52 | 12th | 28 | 9-11 | 45·0 | 30·3 | 37·4 | − 2·6 | 8 | 41 | 5 | 1·37 | + 0·70 | *3·2* | — | *29* | 6 | 22 | 38·7 | * | 42·2 | * | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 50 | 12th | 25 | 11th | 46·3 | 31·7 | 38·8 | − 0·8 | 12 | 38 | 5 | 1·75 | + 0·85 | * | * | * | * | * | * | * | * | * | |
| *b.* I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 52 | 12th | 30 | 11th | 46·9 | 36·0 | 41·3 | + 0·4 | 14 | 23 | 7 | 2·03 | + 1·34 | 5·2 | + 1·6 | 47 | 3 | 23 | * | * | * | * | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 53 | 14th | 25 | 10th | 46·1 | 31·7 | 38·7 | − 0·7 | 11 | 38 | 3 | 0·96 | + 0·43 | 4·5 | — | 41 | 6 | 18 | 36·5 | −0·2 | 41·1 | +2·0 | Cockle Park |
| *a* Shields | 96 | 54 | 14th | 28 | 10, 11 | 46·6 | 31·9 | 39·0 | − 1·0 | 13 | 37 | 5 | 0·62 | + 0·24 | * | * | * | * | * | * | * | * | * | |
| *p* Durham | 336 | 53 | 12th | 27 | 10, 11 | 45·7 | 32·0 | 38·7 | − 0·1 | 10 | 37 | 3 | 0·36 | − 0·02 | 3·9 | + 0·7 | 35 | 5 | 19 | * | * | * | * | Durham. |
| *p* Rounton | 249 | 53 | 12, 14 | 25 | 10, 11 | 46·7 | 31·7 | 39·0 | + 0·2 | 13 | 38 | 5 | 0·29 | − 0·11 | * | * | * | 6 | 17 | 39·6 | * | * | * | Rounton. |
| *a West Witton* | *605* | *51* | *13, 14* | *27* | *11th* | *45·4* | *32·0* | *38·5* | — | *10* | *36* | *7* | *0·47* | — | * | * | * | 5 | 24 | 39·0 | * | 41·5 | * | *West Witton.* |
| *p* Scarborough | 100 | 54 | 12th | 30 | 11th | 47·9 | 36·4 | 42·0 | + 1·9 | 17 | 16 | 5 | 0·50 | + 0·08 | 3·4 | — | 31 | * | * | * | * | 44·5† | * | Scarborough. |
| *p* York | 56 | 54 | 12th | 29 | 10, 11 | 48·3 | 35·0 | 41·5 | + 1·3 | 18 | 28 | 5 | 0·70 | + 0·34 | 3·1 | + 0·2 | 28 | * | * | 41·8 | +3·3 | 43·7 | +3·2 | York. |
| *p* Spurn Head | 26 | 53 | 14th | 33 | 11, 12 | 46·7 | 36·0 | 41·2 | + 1·1 | 13 | 23 | 4 | 0·57 | + 0·27 | *2·8* | — | *25* | 4 | 21 | 39·7 | +1·2 | 44·0 | +3·3 | *Hull.* |
| *a* Lincoln | 58 | 54 | 12th | 28 | 11th | 48·4 | 35·4 | 41·7 | + 1·4 | 18 | 26 | 6 | 0·43 | + 0·08 | *3·1* | — | *28* | * | * | * | * | * | * | *Spurn Head.* |
| *a* Fulbeck | 180 | 54 | 12th | 27 | 11th | 48·3 | 34·1 | 41·0 | + 0·8 | 18 | 31 | 7 | 0·70 | + 0·34 | * | * | * | * | * | 40·5 | +3·1 | 43·8 | +4·1 | Lincoln. |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | 3·3 | — | 30 | 5 | 19 | 42·5 | +3·0 | 44·4 | +2·6 | Rauceby. |
| *p* Cromer | 196 | 53 | 12th | 32 | 11th | 48·6 | 36·7 | 42·5 | + 3·3 | 26 | 15 | 7 | 1·18 | — | 1·7 | — | 15 | * | * | * | * | * | * | Skegness. |
| *p* Little Massingham | 280 | 52 | 8, 12 | 28 | 11th | 48·7 | 35·0 | 41·7 | + 1·9 | 19 | 28 | 7 | 1·15 | + 0·73 | *2·6* | — | *23* | 3 | 26 | 42·2 | +3·1 | 43·5 | +2·6 | *Lowestoft.* |
| *a* Yarmouth | 17 | 54 | 12th | 29 | 12th | 48·9 | 34·0 | 41·2 | + 1·8 | 19 | 31 | 7 | 2·19 | + 1·85 | 2·1 | — | 19 | * | * | * | * | * | * | Cromer. |
| *a* Norwich | 93 | 55 | 8th | 30 | 11th | 49·3 | 36·0 | 42·5 | + 2·9 | 29 | 17 | 7 | 1·83 | — | 2·8 | − 0·5 | 25 | 4 | 25 | * | * | * | * | Lit. Massingham. |
| *p* Geldeston | 37 | 56 | 8th | 30 | 11th | 49·9 | 36·7 | 43·1 | + 3·0 | 30 | 15 | 7 | 1·68 | + 1·35 | 2·5 | — | 23 | * | * | 42·1 | +2·8 | 45·0 | +2·8 | Yarmouth. |
| *p* Cambridge | 41 | 58 | 12th | 28 | 11th | 51·9 | 35·3 | 43·4 | + 3·0 | 38 | 19 | 6 | 1·40 | + 1·08 | *2·9* | * | *26* | 3 | 25 | 41·5 | * | * | * | *Norwich.* |
| *a Felixstowe* | *10* | *56* | *12th* | *31* | *11th* | *48·9* | *37·7* | *43·1* | + *2·7* | *26* | *12* | *7* | *1·50* | — | 2·6 | − 1·0 | 23 | * | * | * | * | * | * | Geldeston. |
| *a* Clacton-on-Sea | 54 | 56 | 12th | 31 | 11, 12 | 48·3 | 37·1 | 42·5 | + 2·6 | 24 | 14 | 7 | 1·69 | — | *3·1* | − 0·4 | 28 | 3 | 24 | 42·9 | +3·3 | 44·7 | +2·8 | Cambridge. |
| *a* Rothamsted | 424 | 56 | 12th | 29 | 11th | 49·0 | 35·4 | 42·0 | + 2·4 | 20 | 18 | 7 | 2·36 | + 1·93 | *2·8* | — | *25* | * | * | * | * | * | * | *Felixstowe.* |
| *a Shoeburyness* | *13* | *58* | *12th* | *31* | *11th* | *49·9* | *38·1* | *43·8* | + *2·7* | *29* | *11* | *7* | *1·52* | + *1·25* | 2·9 | — | 26 | 3 | 26 | 43·6 | +3·0 | 45·3 | +2·0 | Clacton. |
| *p* Tottenham | 51 | 54 | 10th | 31 | 11th | 50·9 | 39·3 | 44·9 | + 4·1 | 32 | 8 | 6 | 2·19 | — | 3·3 | 0·0 | 30 | * | * | * | * | * | * | Rothamsted. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | *3·0* | — | *27* | 3 | 26 | 44·3 | +4·0 | * | * | *Southend.* |
| *a* Harrogate | 478 | 51 | 12, 14 | 25 | 11th | 45·6 | 32·0 | 38·6 | − 0·2 | 10 | 36 | 5 | 0·64 | + 0·15 | 2·6 | — | 23 | 1 | 27 | * | * | 45·2 | +2·7 | Tottenham. |
| *a* Bawtry | 65 | 53 | 14th | 28 | 10th | 47·4 | 34·3 | 40·7 | + 0·4 | 15 | 30 | 6 | 0·49 | + 0·14 | *3·5* | — | *32* | 3 | 22 | 40·0 | +2·2 | 42·8 | +3·0 | *Huddersfield.* |
| *p Buxton* | *987* | *50* | *12th* | *28* | *10, 11* | *45·1* | *32·6* | *38·7* | + *1·7* | *9* | *34* | *7* | *1·09* | +*0·18* | 3·1 | — | 28 | 5 | 20 | 40·0 | +1·9 | 41·8 | +2·4 | Harrogate. |
| *a* Nottingham | 82 | 56 | 12th | 29 | 10, 11 | 49·0 | 34·4 | 41·5 | + 1·5 | 20 | 30 | 6 | 0·75 | + 0·40 | *2·8* | — | *26* | 4 | 22 | 40·3 | +3·0 | 42·8 | +2·5 | Worksop. |
| *p* Birmingham, Edgbsn. | 535 | 54 | 12th | 30 | 11th | 48·1 | 36·4 | 42·1 | + 2·3 | 24 | 16 | 7 | 0·85 | + 0·44 | 2·7 | — | 25 | 4 | 23 | 40·9 | +3·3 | 42·6 | +3·5 | *Buxton.* |
| *a* Raunds | 204 | 57 | 12th | 25 | 11th | 50·9 | 34·4 | 42·4 | + 2·6 | 35 | 21 | 7 | 1·09 | — | 2·8 | — | 25 | 2 | 22 | 42·1 | +2·8 | 45·0 | +2·1 | Nottingham. |
| *p* Oxford | 268 | 57 | 12th | 29 | 11th | 51·0 | 37·7 | 44·2 | + 3·4 | 33 | 12 | 7 | 2·20 | + 1·86 | *3·2* | — | *29* | 4 | 16 | 43·6 | * | 44·7 | * | Birmingham. |
| *a* Cheadle | 646 | 52 | 12th | 27 | 11th | 47·9 | 32·3 | 39·9 | + 1·0 | 17 | 37 | 5 | 1·59 | + 1·09 | 3·0 | − 0·2 | 27 | 2 | 23 | * | * | * | * | *Raunds.* |
| *p* Shrewsbury | 191 | 56 | 12th | 29 | 11th | 48·9 | 36·0 | 42·3 | + 1·2 | 27 | 17 | 4 | 0·44 | — | 3·4 | — | 31 | 3 | 25 | 40·8 | +3·1 | 43·1 | +3·0 | Oxford. |
| *a* Hereford§ | 291 | 57 | 12th | 27 | 11th | 50·7 | 36·0 | 43·1 | + 2·2 | 33 | 17 | 6 | 1·09 | + 0·68 | * | * | * | 5 | 24 | * | * | * | * | Sheffield. |
| *a* Cirencester | 446 | 57 | 14th | 28 | 11th | 49·0 | 35·1 | 41·8 | + 2·4 | 20 | 27 | 6 | 1·95 | + 1·45 | *3·3* | — | *30* | 3 | 21 | 42·4 | * | 44·2 | * | Cheadle. |
| *a* Bath | 66 | 56 | 12th | 32 | 10-12 | 50·4 | 38·6 | 44·3 | + 3·1 | 30 | 10 | 6 | 2·08 | + 1·60 | *3·2* | − 0·2 | 29 | 1 | 28 | * | * | * | * | Shrewsbury. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | 3·4 | — | 31 | * | * | 43·3 | * | 44·5 | * | *Malvern.§* |
| *p* Kew | 18 | 57 | 12th | 31 | 11th | 51·0 | 38·7 | 44·7 | + 3·8 | 33 | 9 | 7 | 2·16 | + 1·79 | * | * | * | 2 | 26 | 43·3 | * | 44·5 | * | Cirencester. |
| *a* Marlborough | 424 | 55 | 12th | 27 | 11th | 49·4 | 36·4 | 42·7 | + 3·1 | 28 | 16 | 6 | 2·46 | + 1·91 | 2·9 | 0·0 | 26 | * | * | 45·0 | * | 45·4 | * | Bath. |
| *a* Margate | 35 | 56 | 12th | 32 | 11th | 50·4 | 38·9 | 44·5 | + 3·7 | 31 | 9 | 7 | 1·21 | + 0·86 | 2·8 | − 0·1 | 25 | 4 | 19 | 43·6 | +3·8 | 45·0 | +2·4 | Canterbury. |
| *a* Wisley, Surrey | 150 | 57 | 12th | 30 | 11th | 49·7 | 38·1 | 43·7 | + 2·2 | 28 | 11 | 7 | 1·96 | — | 2·7 | − 0·8 | 24 | 2 | 27 | 44·9 | +4·6 | 46·0 | +4·3 | Kew. |
| *p* Salisbury (Wilton) | 180 | 56 | 12, 13 | 27 | 11th | 51·4 | 37·1 | 44·0 | + 3·4 | 35 | 14 | 7 | 2·59 | + 2·06 | 3·1 | — | 28 | 3 | 18 | * | * | 45·0 | * | Marlborough. |
| *a* Tunbridge Wells | 418 | | | | | | | | | | | | | | 3·2 | — | 29 | 3 | 21 | 43·5 | +3·8 | 44·1 | +2·0 | Margate. |
| *a* Dungeness | 21 | 50 | 12, 13 | 28 | 11th | 49·1 | 38·7 | 43·8 | + 3·1 | 26 | 9 | 6 | 1·57 | + 1·21 | * | * | * | 2 | 24 | 44·8 | +3·9 | 45·4 | +2·3 | Wisley. |
| *p* Hastings | 178 | 51 | 12th | 31 | 11th | 48·7 | 40·4 | 44·4 | + 3·1 | 24 | 4 | 7 | 1·91 | +1·42 | * | * | * | 2 | 22 | 44·7 | * | * | * | Worthing. |
| *p* Southampton | 65 | 58 | 12th | 30 | 11th | 51·3 | 39·7 | 45·3 | + 2·7 | 33 | 6 | 7 | 2·31 | + 1·81 | 3·2 | — | 29 | * | * | * | * | * | * | Salisbury. |
| *a* Ventnor | 80 | 54 | 8th | 33 | 11th | 50·4 | 40·7 | 45·4 | + 2·7 | 29 | 4 | 6 | 2·16 | + 1·69 | * | * | * | 2 | 22 | 44·7 | * | * | * | Tunbridge Wells. |
| | | | | | | | | | | | | | | | 3·2 | — | 29 | * | * | * | * | * | * | Littlestone. |
| | | | | | | | | | | | | | | | *2·9* | *1·0* | *26* | 2 | 25 | 44·6 | * | 44·7 | * | *Hastings.* |
| | | | | | | | | | | | | | | | 2·7 | − 0·9 | 24 | 2 | 23 | * | * | * | * | Southampton. |
| | | | | | | | | | | | | | | | 3·3 | − 0·7 | 30 | * | * | * | * | * | * | Ventnor. |
| | | | | | | | | | | | | | | | *3·0* | — | *27* | 2 | 21 | 46·1 | +4·4 | 46·9 | +2·8 | *Portsmouth.* |
| LONDON. | | | | | | | | | | | | | | | 3·0 | − 0·7 | 27 | * | * | 45·4 | * | 45·9 | * | Eastbourne. |
| *a Westminster* | *27* | *58* | *12th* | *29* | *11th* | *50·7* | *38·9* | *44·6* | + *3·4* | *31* | *9* | *7* | *1·97* | + *1·59* | *3·1* | — | *28* | * | * | 44·8 | * | 44·9 | * | *Bournemouth.* |
| *a Greenwich* | *155* | *58* | *12th* | *29* | *11th* | *50·9* | *38·0* | *44·3* | + *2·7* | *33* | *11* | *7* | *2·14* | + *1·76* | *3·0* | — | *27* | 2 | 27 | * | * | 48·4 | * | *Brighton.* |
| *a Hampstead* | *450* | *58* | *13th* | *28* | *11th* | *50·3* | *36·1* | *43·0* | — | *32* | *17* | *6* | *2·17* | — | *2·4* | + *0·5* | *22* | 1 | 29 | * | * | * | * | *Westminster.* |
| *a Camden Square* | *110* | *58* | *12th* | *28* | *11th* | *50·7* | *37·9* | *44·1* | — | *32* | *11* | *6* | *2·27* | — | 2·7 | — | 24 | ? | ? | * | * | * | * | *Greenwich.* |
| | | | | | | | | | | | | | | | *2·7* | — | *24* | ? | ? | * | * | * | * | *Hampstead.* |
| | | | | | | | | | | | | | | | *2·7* | — | *24* | 1 | 28 | * | * | * | * | *Camden Square.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | *2·5* | — | *23* | 5 | 16 | 39·9 | +2·4 | 42·8 | +2·8 | *Burnley.* |
| *p* Aspatria | 250 | 51 | 13th | 29 | 9-12 | 46·0 | 32·9 | 39·3 | + 0·3 | 11 | 34 | 5 | 0·99 | + 0·35 | 3·5 | — | 32 | * | * | * | * | * | * | Hoylake. |
| *p* Newton Rigg | 559 | 50 | 12-14 | 26 | 10, 11 | 46·1 | 31·9 | 38·8 | + 0·8 | 11 | 37 | 6 | 0·87 | + 0·25 | 3·9 | — | 36 | 4 | 18 | 41·0 | * | 44·0 | * | Aspatria. |
| *p* Stonyhurst | 375 | *52* | 14th | 27 | 10th | 46·4 | 34·3 | 40·2 | + 0·9 | 12 | 29 | 5 | 0·90 | + 0·07 | 2·9 | − 0·2 | 26 | 6 | 14 | 39·4 | +0·9 | 42·9 | +2·3 | Newton Rigg. |
| *p* Blackpool | 66 | 51 | 12-14 | 33 | 9th | 47·4 | 37·3 | 42·2 | + 2·0 | 21 | 13 | 7 | 0·77 | + 0·23 | 3·2 | + 0·3 | 29 | 5 | 17 | * | * | * | * | Stonyhurst. |
| *p* Manchester (Whit. Pk.) | 125 | 53 | 12, 13 | 30 | 11th | 48·0 | 36·7 | 42·2 | + 1·5 | 24 | 15 | 6 | 0·93 | + 0·49 | 4·7 | + 1·7 | 43 | 4 | 26 | 42·8 | * | 45·0 | * | Blackpool. |
| *a* Liverpool (Bidston) | 188 | 52 | 13, 14 | 33 | 11th | 47·7 | 37·6 | 42·5 | + 1·1 | 22 | 12 | 7 | 0·86 | + 0·43 | *2·5* | + *0·6* | *23* | * | * | * | * | * | * | *Whit. Park.* |
| *a Hawarden Bridge* | *22* | *55* | *12, 13* | *34* | *11th* | *50·1* | *38·4* | *44·1* | + *2·6* | *30* | *10* | *7* | *0·58* | + *0·23* | *3·1* | — | *28* | * | * | * | * | * | * | *Liverpool.* |
| | | | | | | | | | | | | | | | *4·2* | — | *38* | 4 | 21 | 41·8 | +3·1 | 43·7 | +3·3 | *Southport.* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | *2·0* | — | *18* | 2 | 28 | 40·8 | +2·6 | 45·1 | +3·5 | *Manchester (City).* |
| *p* Llandudno | 71 | 55 | 14th | 37 | 9-11 | 49·0 | 40·7 | 44·7 | + 2·6 | 24 | 4 | 6 | 0·67 | + 0·17 | 4·6 | + 1·4 | 42 | * | * | * | * | * | * | Llandudno. |
| *a* Holyhead | 57 | 53 | 12th | 36 | 10, 11 | 48·4 | 40·1 | 44·1 | + 2·0 | 23 | 5 | 5 | 1·13 | + 0·55 | *4·9* | — | *45* | * | * | * | * | * | * | *Holyhead.* |
| | | | | | | | | | | | | | | | 3·1 | — | 28 | * | * | * | * | * | * | Aberdovey. |

* For note see also opposite page.

† At 3 feet.

‡ Hoar frost.

§ The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Mean for the Week. Of Lowest each day. | Mean for the Week. For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Accumulated Heat for the Week (in Day degrees). Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 2·7 | — | 24 | | | | | | | Aberystwyth. |
| *a* Llangammarch Wells | 550 | 52 | 12th | 24 | 11th | 47·4 | 34·6 | 40·8 | + 1·4 | 15 | 28 | 7 | 2·36 | — | 1·5 | — | 14 | 4 | 22 | 42·7 | +3·3 | 45·2 | +2·4 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 50 | 12, 13 | 38 | 10, 11 | 47·4 | 41·1 | 44·2 | + 1·9 | 19 | 3 | 5 | 1·25 | + 0·70 | 2·7 | - 1·0 | 24 | | | | | | | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 54 | 12th | 29 | 11th | 49·3 | 37·9 | 43·4 | + 1·8 | 27 | 11 | 7 | 2·63 | + 1·93 | *3·3* | — | *30* | 2 | 25 | 44·4 | +4·7 | 45·1 | +2·7 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 55 | 12th | 31 | 11th | 49·3 | 39·0 | 44·0 | + 2·7 | 27 | 8 | 7 | 2·50 | + 1·97 | *3·1* | — | *28* | 2 | 28 | — | | — | | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 56 | 12th | 29 | 11th | 47·4 | 37·6 | 42·4 | + 2·9 | 21 | 12 | 7 | 2·28 | + 1·75 | | | | | | 43·8 | | 44·9 | | Shaftesbury. |
| *a* Arlington .. .. | 613 | 51 | 12, 13 | 31 | 10, 11 | 47·0 | 37·7 | 42·2 | + 2·0 | 19 | 12 | 7 | 3·80 | + 2·91 | | | | | | | | | | Arlington. |
| *a Newquay* .. .. | *190* | *54* | *13th* | *36* | *10th* | *49·4* | *42·3* | *45·8* | *+ 2·1* | *27* | *0* | 7 | *2·36* | *+ 1·80* | 2·6 | - 1·8 | 18 | 0 | 31 | 47·3 | | 47·4 | | Newquay. |
| *a* Cullompton .. .. | 202 | 53 | 8, 13 | 28 | 11th | 49·4 | 38·1 | 43·6 | + 1·9 | 26 | 11 | 7 | 2·94 | + 2·35 | 2·3 | - 1·2 | 20 | 2 | 24 | 45·9 | | | | Cullompton. |
| *a* Portland .. .. | 19 | 52 | 8th | 36 | 10th | 48·7 | 42·0 | 45·3 | + 2·9 | 23 | 0 | 7 | 2·51 | — | *3·2* | — | *29* | | | | | | | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 55 | 12th | 33 | 11th | 50·3 | 41·0 | 45·5 | + 2·5 | 29 | 3 | 7 | 2·59 | + 1·97 | 2·1 | - 1·6 | 19 | 2 | 26 | 46·6 | +4·5 | | | Plymouth. |
| *a* Falmouth .. .. | 167 | 55 | 12th | 34 | 10th | 50·4 | 40·7 | 45·4 | + 1·7 | 29 | 4 | 7 | 3·57 | + 2·80 | 2·1 | - 1·9 | 19 | 2 | 28 | 48·4 | | 48·6 | | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Malin Head .. .. | 208 | 52 | 13th | 32 | 11th | 45·7 | 35·7 | 40·6 | - 0·7 | 10 | 24 | 7 | 1·30 | + 0·79 | | | | | | | | | | |
| *a* Blacksod Point .. | 37 | 52 | 12, 13 | 33 | 10, 11 | 48·0 | 38·3 | 43·0 | 0·0 | 23 | 10 | 7 | 1·77 | + 0·89 | | | | | | | | | | |
| *a*, West .. *p* Markree Castle .. | 122 | 54 | 13th | 26 | 11th | 47·6 | 33·6 | 40·4 | - 0·5 | 16 | 32 | 7 | 1·83 | + 0·90 | 2·3 | - 0·7 | 21 | 3 | 22 | 43·0 | | 44·5 | | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 55 | 13th | 30 | 10, 11 | 49·6 | 34·9 | 42·0 | + 0·9 | 21 | 20 | 5 | 0·66 | + 0·15 | *4·1* | + *1·1* | *37* | | | | | | | *Birr Castle.* |
| *p* Armagh .. .. | 196 | 54 | 12th | 27 | 11th | 47·7 | 34·1 | 40·7 | 0·0 | 16 | 30 | 6 | 1·08 | + 0·58 | 3·4 | + 0·5 | 31 | 3 | 25 | 41·8 | +1·0 | 44·0 | +1·0 | Armagh. |
| *b*, East .. *a* Donaghadee .. | 40 | 53 | 12th | 29 | 11, 12 | 45·6 | 34·3 | 39·8 | - 1·8 | 10 | 28 | 7 | 1·23 | + 0·70 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 2 | 25 | 43·9 | +2·3 | 45·5 | +1·2 | Trinity Coll. |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 5·1 | + 1·6 | 46 | 4 | 23 | | | | | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 55 | 12, 13 | 31 | 11th | 49·7 | 38·1 | 43·7 | + 0·8 | 28 | 11 | 7 | 0·45 | + 0·01 | | | | 2 | 28 | | | | | Dublin City. |
| *a*, East .. *a* Kilkenny .. .. | 195 | 55 | 12th | 29 | 10, 11 | 50·0 | 34·9 | 42·2 | + 0·6 | 31 | 20 | 6 | 0·84 | + 0·30 | | | | | | | | | | |
| *a* Waterford .. | 100 | 55 | 12th | 29 | 11th | 50·6 | 35·4 | 42·8 | + 0·5 | 33 | 18 | 5 | 1·17 | + 0·48 | | | | | | | | | | |
| *a Carrick-on-Suir* .. | *541* | *56* | *12th* | *30* | *10, 11* | *48·6* | *36·4* | *42·3* | — | *26* | *16* | *5* | *1·18* | — | *4·6* | — | *41* | 3 | 24 | | | | | *Carrick-on-Suir.* |
| *a* Birr Castle .. .. | 175 | 55 | 13th | 30 | 10, 11 | 49·6 | 34·9 | 42·0 | + 0·9 | 21 | 20 | 5 | 0·66 | + 0·15 | 4·1 | + 1·0 | 37 | | | | | | | Birr Castle. |
| *a* Foynes .. .. | 50 | 52 | 12, 13 | 33 | 10th | 48·6 | 38·6 | 43·5 | + 0·4 | 25 | 10 | 6 | 1·20 | + 0·54 | | | | | | | | | | |
| *a* Cahir .. .. .. | 199 | 55 | 12, 13 | 29 | 11th | 49·9 | 36·1 | 42·8 | + 0·7 | 30 | 17 | 7 | 1·06 | — | | | | | | | | | | |
| *b*, West .. *a* Killarney .. .. | 174 | 55 | 12, 13 | 32 | 10th | 50·7 | 39·3 | 44·8 | + 1·6 | 31 | 8 | 7 | 2·17 | + 1·05 | | | | | | | | | | |
| *a* Valencia .. .. | 30 | 54 | 13th | 35 | 10th | 49·6 | 39·7 | 44·5 | - 0·1 | 27 | 6 | 7 | 2·75 | + 1·69 | 2·4 | - 1·1 | 22 | | | | | | | Valencia. |
| *a* Roche's Point .. | 32 | 54 | 12th | 35 | 11th | 49·7 | 40·1 | 44·8 | + 0·9 | 28 | 5 | 7 | 1·24 | + 0·57 | 3·9 | | 35 | | | | | | | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 53 | 13th | 37 | 10th | 50·0 | 43·0 | 46·4 | + 1·0 | 31 | 0 | 7 | 1·96 | + 1·39 | 2·1 | - 1·9 | 19 | | | | | | | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 55 | 8, 13 | 35 | 11th | 51·9 | 43·9 | 47·8 | + 3·9 | 41 | 0 | 7 | 1·35 | + 0·83 | 2·8 | - 1·4 | 25 | | | | | | | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 53 | 8, 13 | 36 | 11th | 50·9 | 44·1 | 47·4 | + 3·0 | 38 | 0 | 7 | 1·79 | + 1·20 | 2·3 | - 1·9 | 21 | 0 | 35 | 47·2 | +3·8 | 46·3 | +1·3 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 3·2 hrs. 29 %; Ramsgate, 3·2 hrs. 29 %; Rhyl, 3·3 hrs. 30 %; Salcombe, 2·1 hrs. 19 %; Tenby, 3·2 hrs. (−0·7) 29 %; Torquay, 2·8 hrs. (−1·3) 23 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Mar. 14th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 43 | 43 | 43·0 | +0·9 |
| Kirkwall .. .. | 43 | 41 | 42·1 | +1·7 |
| Wick .. .. .. | 44 | 42 | 42·7 | −0·1 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 43 | 37 | 40·7 | +1·3 |
| Pennan Bay .. .. | 43 | 42 | 42·5 | +2·6 |
| Aberdeen, Cove Bay | 42 | 41 | 41·8 | +1·4 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 44 | 44 | 44·0 | +0·5 |
| Ballantrae .. .. | 46 | 40 | 43·2 | +0·4 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 40 | 36 | 37·1 | −2·2 |
| Scarborough .. .. | 45 | 39 | 41·5 | +1·2 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 45 | 44 | 44·1 | +3·9 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 45 | 44 | 44·7 | +3·3 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 47 | 44 | 45·8 | +2·1 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 50 | 50 | 50·0 | +3·9 |
| Scilly .. .. | 50 | 49 | 50·0 | — |
| Plymouth‡ .. .. | 48 | 48 | 48·0 | +2·1 |
| Salcombe .. .. | 50 | 47 | 48·5 | +3·5 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 47 | 44 | 45·7 | +0·9 |
| Teelin .. .. .. | 47 | 41 | 44·0 | −0·7 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 46 | 44 | 45·4 | +1·1 |
| Seafield .. .. | 50 | 42 | 45·5 | −0·2 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, Mar. 14th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Aberdeen .. .. | 105 | — | — | — | — | 60 | 108 | SE. by S. 10 | 14th 11h. | 19 14th 13.50 |
| Rosyth .. .. | 73 | — | — | 14th | 9 | 19 | 140 | SW. by W 15 | 14th 13–14h. | 25 14th 13.45 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | 14th | 5 | 13, 14 | 14 | 27 | 122 | S. 20 | 14th 9h. | 31 14th 9.15 |
| Paisley (Coats Obs.) | 80 | — | — | 14th | 3 | 39 | 126 | SW. by S. 13 | 14th 11h. | 26 14th 11.45 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | 14th | 3 | 31 | 134 | S. by W. 13 | 14th 9h. | 21 14th 9.35 |
| South Shields .. | 61 | — | — | 12, 14 | 2 | 48 | 118 | SW. by W. 11 | 14th 11h. | 20 14th 11.15 |
| Spurn Head .. | 40 | — | — | 14th | 1§ | 85§ | 78§ | SW. by S. 11 | 14th 7h. | 16 14th 7.15 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 12 to 14 | 23 | 75 | 70 | — 16 | 14th 8h. | 22 14th 13.15 |
| Shoeburyness .. | 90 | 14th | 2 | 12, 14 | 20 | 78 | 68 | — 19 | 14th 17h. | 28 14th 16.30 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | — | — | 14th | 1 | 64 | 103 | — 12 | 14th 18h. | 18 14th 18.20 |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | 14th | 3§ | 8, 9, 12, 14 | 52§ | 33§ | 36§ | — 21 | 14th 18h. | 30 14th 18.20 |
| Warlingham .. | 33 | — | — | 12 to 14 | 18 | 61 | 89 | — 17 | 14th 16h. | 32 14th 16.0 |
| Brighton .. .. | 53 | — | — | 8, 14 | 14 | 92 | 62 | — 17 | 14th 17h. | 26 14th 17.10 |
| Kew .. .. .. | 40 | — | — | 14th | 1 | 72 | 95 | — 12 | 14th 14h. | 20 14th 15.45 |
| South Kensington | 92 | — | — | — | — | 41 | 127 | SW. 8 | 14th 17h. | 19 14th 12.45 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Southport .. .. | 62 | — | — | 8, 10, 12, 14 | 19 | 101 | 48 | W. 17 | 14th 24h. | 26 14th 5.40 |
| Holyhead .. .. | 40 | 14th | 3 | 10 to 14 | 28 | 89 | 48 | SSW. 20 | 14th 5h. | 34 14th 4.25 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | 8, 11 to 14 | 51 | 8, 9, 11 to 14 | 39 | 76 | 2 | WSW. 26 | 14th 14h. | 35 14th 11.40 |
| Plymouth .. .. | 86 | 14th | 6 | 8, 11 to 14 | 47 | 55 | 60 | — 21 | 14th 22h. | 29 14th 12.40 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | 14th | 6§ | 8, 9, 11, 13, 14 | 30§ | 107§ | 24§ | — 19 | 14th 16h. | 33 14th 15.50 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — — | — — — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly .. .. .. | 19 | 14th | 14§ | 8, 10 to 14 | 44§ | 92§ | 13§ | WNW. 24 | 14th 16h. | 35 14th 14.10 |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and a the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907–1911, but in some cases for 1908–1911, or 1909–1911

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

**TENTH WEEK**—March 8th to March 14th, 1914.

| DISTRICTS. (See Frontispiece map) | Temperature of the Air.† Highest. | Lowest. | Means of: Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees: Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| **0.** SCOTLAND, NORTH ... | 50 | 22 | 44·2 | 32·1 | 37·9 | − 0·2 | 6 | − 1 | 34 | − 1 | 6 | + 1 | 0·84 | −0·19 | 4·1 | +1·5 | 38 | 999 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 50 | 16 | 44·0 | 29·4 | 36·5 | − 1·5 | 6 | − 4 | 44 | + 6 | 6 | + 2 | 0·81 | +0·27 | 3·5 | +0·5 | 32 | 1000 |
| **2.** ENGLAND, N.E. ... .. | 54 | 25 | 47·2 | 33·8 | 40·3 | + 0·8 | 15 | + 1 | 31 | 0 | 5 | + 1 | 0·57 | +0·15 | 3·3 | −0·1 | 30 | 1002 |
| **3.** ENGLAND, EAST ... | 58 | 28 | 49·5 | 36·2 | 42·6 | + 3·0 | 29 | + 12 | 16 | −17 | 7 | + 4 | 1·74 | +1·40 | 2·7 | −0·7 | 25 | 1005 |
| **4.** MIDLAND COUNTIES ... | 57 | 25 | 49·0 | 35·2 | 41·9 | + 2·2 | 20 | + 2 | 27 | − 6 | 6 | + 3 | 1·20 | +0·78 | 3·0 | −0·1 | 27 | 1005 |
| **5.** ENGLAND, S.E. ... ... | 58 | 27 | 50·2 | 38·7 | 44·4 | + 3·6 | 31 | + 12 | 9 | −17 | 7 | + 4 | 2·04 | +1·59 | 3·0 | −0·4 | 27 | 1006 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 53 | 25 | 45·6 | 32·8 | 39·0 | − 0·6 | 10 | − 1 | 33 | + 4 | 6 | + 2 | 1·62 | +0·79 | 4·0 | +0·9 | 36 | 1001 |
| **7.** ENGLAND, N.W. ... ... | 55 | 26 | 47·4 | 36·4 | 41·8 | + 1·7 | 15 | + 2 | 23 | − 3 | 6 | + 2 | 0·89 | +0·33 | 3·7 | +0·7 | 34 | 1002 |
| **8.** ENGLAND, S.W. ... ... | 56 | 24 | 48·7 | 39·0 | 43·7 | + 2·2 | 25 | + 5 | 8 | −14 | 7 | + 3 | 2·64 | +1·97 | 2·2 | −1·2 | 20 | 1006 |
| **9.** IRELAND, NORTH ... | 55 | 26 | 47·4 | 35·2 | 41·1 | + 0·2 | 15 | − 2 | 26 | + 2 | 7 | + 3 | 1·28 | +0·67 | 2·9 | −0·1 | 26 | 999 |
| **10.** IRELAND, SOUTH ... | 55 | 29 | 49·8 | 37·5 | 43·5 | + 0·9 | 29 | + 6 | 13 | − 6 | 6 | + 2 | 1·28 | +0·59 | 3·9 | +0·4 | 35 | 1003 |
| **11.** ENGLISH CHANNEL ... | 55 | 35 | 50·9 | 43·7 | 47·2 | + 3·0 | 36 | + 11 | 0 | − 9 | 7 | + 3 | 1·70 | +1·12 | 2·4 | −1·8 | 22 | 1008 |

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 2 Weeks, March 1st to March 14th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 50 | 22 | * | * | * | * | 10 | − 3 | 62 | − 9 | 13 | + 3 | 2·52 | +0·58 | 3·4 | +0·9 | 32 | 997 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 50 | 16 | * | * | * | * | 15 | − 2 | 72 | − 7 | 11 | + 3 | 1·48 | +0·43 | 3·6 | +0·7 | 34 | 999 |
| **2.** ENGLAND, N.E. ... ... | 54 | 25 | * | * | * | * | 41 | + 17 | 40 | − 24 | 9 | + 1 | 0·87 | +0·10 | 3·4 | +0·2 | 32 | 1002 |
| **3.** ENGLAND, EAST ... | 58 | 28 | * | * | * | * | 60 | + 30 | 24 | − 46 | 11 | + 3 | 2·20 | +1·51 | 2·9 | −0·3 | 27 | 1006 |
| **4.** MIDLAND COUNTIES ... | 57 | 25 | * | * | * | * | 49 | + 17 | 35 | − 34 | 10 | + 3 | 1·69 | +0·85 | 2·8 | 0·0 | 26 | 1006 |
| **5.** ENGLAND, S.E. ... ... | 59 | 27 | * | * | * | * | 61 | + 27 | 13 | − 42 | 12 | + 5 | 2·49 | +1·58 | 3·0 | −0·2 | 28 | 1007 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 53 | 25 | * | * | * | * | 23 | + 3 | 46 | − 13 | 13 | + 5 | 2·79 | +1·14 | 3·4 | +0·6 | 31 | 1001 |
| **7.** ENGLAND, N.W. ... ... | 55 | 26 | * | * | * | * | 35 | + 11 | 28 | − 27 | 12 | + 5 | 1·88 | +0·77 | 2·8 | −0·1 | 26 | 1004 |
| **8.** ENGLAND, S.W. ... ... | 57 | 24 | * | * | * | * | 53 | + 16 | 8 | − 38 | 14 | + 7 | 3·80 | +2·43 | 2·4 | −0·9 | 22 | 1008 |
| **9.** IRELAND, NORTH ... | 55 | 26 | * | * | * | * | 38 | + 6 | 36 | − 13 | 14 | + 5 | 2·61 | +1·35 | 2·4 | −0·4 | 23 | 1002 |
| **10.** IRELAND, SOUTH ... | 57 | 29 | * | * | * | * | 58 | + 14 | 15 | − 23 | 13 | + 5 | 2·21 | +0·78 | 3·1 | −0·2 | 28 | 1007 |
| **11.** ENGLISH CHANNEL ... | 55 | 35 | * | * | * | * | 73 | + 25 | 0 | − 18 | 14 | + 6 | 2·32 | +1·13 | 2·5 | −1·5 | 23 | 1012 |

THE YEAR.—Aggregates, &c., for the Period of 10 Weeks, January 4th, 1914, to March 14th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 56 | 16 | * | * | * | * | 86 | + 19 | 292 | − 73 | 53 | + 2 | 14·03 | +2·04 | 1·7 | +0·2 | 20 | 1002 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 58 | 15 | * | * | * | * | 102 | + 24 | 343 | − 72 | 45 | + 6 | 6·46 | +0·93 | 2·0 | −0·1 | 24 | 1004 |
| **2.** ENGLAND, N.E. ... ... | 59 | 24 | * | * | * | * | 188 | + 94 | 213 | −119 | 41 | + 4 | 3·56 | −0·25 | 2·1 | 0·0 | 24 | 1008 |
| **3.** ENGLAND, EAST ... | 58 | 19 | * | * | * | * | 199 | + 92 | 215 | −157 | 38 | + 1 | 5·33 | +1·62 | 2·3 | 0·0 | 25 | 1012 |
| **4.** MIDLAND COUNTIES ... | 61 | 15 | * | * | * | * | 199 | + 77 | 259 | −110 | 38 | + 2 | 4·65 | +0·05 | 1·8 | −0·2 | 20 | 1012 |
| **5.** ENGLAND, S.E. ... ... | 59 | 10 | * | * | * | * | 215 | + 78 | 194 | − 91 | 40 | + 5 | 7·07 | +2·17 | 2·4 | +0·1 | 26 | 1013 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 55 | 18 | * | * | * | * | 134 | + 34 | 229 | − 62 | 53 | + 9 | 11·85 | +2·17 | 1·4 | −0·4 | 16 | 1006 |
| **7.** ENGLAND, N.W. ... ... | 58 | 22 | * | * | * | * | 196 | + 89 | 165 | −112 | 44 | + 4 | 7·46 | +1·23 | 1·8 | −0·1 | 21 | 1009 |
| **8.** ENGLAND, S.W. ... ... | 58 | 19 | * | * | * | * | 225 | + 54 | 149 | − 72 | 48 | + 8 | 10·26 | +2·59 | 1·8 | −0·5 | 20 | 1012 |
| **9.** IRELAND, NORTH ... | 57 | 25 | * | * | * | * | 192 | + 50 | 170 | − 71 | 54 | + 8 | 10·13 | +2·99 | 1·4 | −0·6 | 16 | 1004 |
| **10.** IRELAND, SOUTH ... | 59 | 24 | * | * | * | * | 251 | + 42 | 123 | − 61 | 55 | +13 | 10·93 | +2·69 | 2·0 | −0·3 | 22 | 1008 |
| **11.** ENGLISH CHANNEL ... | 55 | 25 | * | * | * | * | 276 | + 32 | 66 | − 22 | 48 | + 3 | 7·69 | +1·20 | 2·5 | −0·3 | 26 | 1013 |

M.O., March 17, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches)

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) } No. 11. ELEVENTH WEEK, SUNDAY, MARCH 15TH, TO SATURDAY, MARCH 21ST, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

**Remarks on Wind and Weather.** Depressions arriving over these Islands from the Atlantic maintained the weather in a very unsettled, rainy condition generally, and on several occasions caused very strong winds or gales. On the 16th gales from the Westward or North-Westward were experienced on most parts of the southern and western coasts, and on the 17th North-Westerly gales occurred over a wider area, including the North Sea region. The depressions of the middle of the week were of less intensity, but by Friday a cyclonic centre, with the barometer as low as 969 millibars, had approached the western part of the English Channel. This system subsequently travelled east-north-eastward to East Anglia, and thence very slowly northward, at the same time decreasing in intensity. Gales from the North-Westward sprang up in its rear on the Channel and south-west coasts on the 20th, and from the Eastward on the coast of Norfolk as it approached the North Sea. A considerable amount of hail, sleet or snow fell; at Shaftesbury the snow covered the ground to a depth of 2 in. Thunder and lightning, or thunder only, occurred on the 18th at Stonyhurst, and on the 19th at Foynes, Westbourne and Billingshurst. At this last station thunder was heard again on the 20th. The only rainfall of an inch within 24 hours was reported at Torquay on the 19th.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Moderate | Deficient | Moderate | Moderate | Moderate | Moderate | Moderate | Deficient | Deficient | Moderate |
| | Rainfall ... | Moderate | Heavy | Heavy | Very heavy | Heavy | Very heavy | Heavy | Heavy | Heavy | Moderate | Moderate | Very heavy |
| | Sunshine ... | Moderate | Moderate | Scanty | Scanty | Scanty | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 3 weeks from March 1st, 1914. | Warmth ... | 0·0 | 0·0 | 1·0 | 2·1 | 1·0 | 2·0 | 1·0 | 1·0 | 2·0 | 1·1 | 1·1 | 2·0 |
| | Rainfall ... | 1·0 | 3·0 | 2·0 | 3·0 | 2·0 | 2·0 | 3·0 | 3·0 | 3·0 | 2·0 | 1·0 | 2·0 |
| | Sunshine ... | 1·0 | 1·0 | 0·1 | 0·2 | 0·1 | 0·0 | 1·0 | 1·1 | 0·1 | 0·1 | 0·1 | 0·2 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 1913. Mar. 2nd.–May 31st. 13 weeks. | Warmth ... | 2·5 | 2·5 | 5·2 | 5·2 | 4·2 | 4·2 | 2·4 | 4·3 | 3·2 | 1·3 | 1·3 | 3·4 |
| | Rainfall ... | 6·2 | 5·3 | 5·4 | 5·2 | 7·3 | 6·1 | 8·2 | 7·3 | 6·1 | 7·2 | 6·1 | 7·3 |
| | Sunshine ... | 3·3 | 2·3 | 1·4 | 2·6 | 2·5 | 2·4 | 1·8 | 1·4 | 0·6 | 2·5 | 1·6 | 0·10 |
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4·3 | 2·4 | 3·5 | 3·5 | 3·5 | 2·6 | 3·4 | 3·5 | 5·5 | 3·5 | 4·4 | 1·6 |
| | Rainfall ... | 2·8 | 1·9 | 0·10 | 1·5 | 0·9 | 1·9 | 2·7 | 3·8 | 1·11 | 1·8 | 2·9 | 1·5 |
| | Sunshine ... | 4·5 | 4·4 | 4·7 | 2·7 | 2·8 | 1·7 | 5·5 | 6·5 | 3·4 | 6·6 | 5·4 | 3·9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6·0 | 8·0 | 8·0 | 10·0 | 11·0 | 11·0 | 6·0 | 9·0 | 9·0 | 8·0 | 9·2 | 11·0 |
| | Rainfall ... | 4·4 | 2·4 | 4·6 | 5·6 | 5·4 | 5·5 | 2·4 | 4·6 | 3·5 | 3·2 | 7·1 | 4·3 |
| | Sunshine ... | 5·4 | 5·6 | 6·3 | 4·1 | 4·3 | 5·2 | 1·4 | 6·3 | 4·6 | 2·5 | 2·6 | 2·4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth .. | 6·3 | 7·2 | 7·2 | 9·3 | 7·4 | 7·4 | 4·2 | 8·3 | 7·4 | 7·2 | 7·4 | 6·4 |
| | Rainfall ... | 5·2 | 5·4 | 1·7 | 3·9 | 2·8 | 3·5 | 5·4 | 5·6 | 3·5 | 5·5 | 4·6 | 5·7 |
| | Sunshine ... | 3·1 | 2·2 | 1·2 | 3·4 | 2·6 | 4·4 | 2·6 | 2·0 | 3·5 | 1·9 | 1·7 | 2·5 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

(827—19.) Wt. 196—786. 450. 3/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Mean for the Week. Of Lowest each day. | Mean for the Week. For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Accumulated Heat for the Week (in Day degrees). Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| **0.** SCOTLAND, N. | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr | % | ° | ° | ° | ° | ° | ° | |
| *a*, Islands .. | *p Baltasound* .. .. | *47* | *15th* | *30* | *17th* | *44·5* | *35·8* | *40·0* | — | 7 | *22* | *7* | *0·88* | — | *2·7* | — | *24* | • | • | 40·0 | • | • | • | *Baltasound.* |
| | *a* Lerwick .. .. | 47 | 15th | 31 | 17th | 43·9 | 35·7 | 39·7 | + 1·3 | 5 | 23 | 7 | 1·38 | — | 2·3 | - 0·9 | 20 | • | • | • | • | • | • | Deerness. |
| | *a* Stornoway .. .. | 51 | 16, 21 | 34 | 19, 21 | 44·6 | 36·3 | 40·3 | + 0·9 | 7 | 21 | 6 | 0·93 | 0·00 | ? | ? | ? | • | • | • | • | • | • | Stornoway |
| | *a Castlebay, Barra Isd.* .. | *37* | *16* | *21st* | *34* | *19, 20* | *44·3* | *36·9* | *40·5* | *- 0·6* | *6* | *19* | *5* | *0·43* | — | *3·8* | — | *33* | • | • | • | • | • | • | *Castlebay.* |
| *b*, Mainland. | *a* Wick .. .. | 81 | 45 | 15th | 31 | 16th | 43·1 | 35·3 | 39·1 | - 0·2 | 3 | 24 | 6 | 0·51 | + 0·01 | • | • | • | • | • | • | • | • | • | |
| | *p* Strathpeffer .. .. | 200 | 47 | 15, 21 | 30 | 19th | 45·0 | 33·7 | 39·2 | + 0·6 | 8 | 30 | 6 | 0·60 | 0·00 | 2·7 | - 0·1 | 24 | • | • | • | • | • | • | Strathpeffer. |
| | *p* Glencarron .. .. | 500 | | | | | | | | | | | | | | | | | • | • | • | • | • | • | |
| | *p* Fort Augustus.. .. | 68 | 48 | 15th | 27 | 19th | 43·4 | 34·9 | 39·0 | 0·0 | 4 | 25 | 5 | 0·39 | - 0·44 | • | • | • | • | • | • | • | • | • | |
| | *p* Fort William .. .. | 175 | 47 | 15, 21 | 29 | 19th | 45·0 | 34·4 | 39·5 | - 0·7 | 8 | 27 | 6 | 0·67 | - 0·85 | 2·5 | + 0·1 | 22 | • | • | • | • | • | • | Fort Augustus. |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | *p* Gordon Castle .. .. | 101 | 48 | 15th | 30 | 16, 19 | 44·7 | 32·7 | 38·5 | - 1·5 | 8 | 33 | 6 | 0·82 | + 0·31 | 1·5 | — | 13 | 3 | 22 | 38·3 | +0·09 | 39·0 | +0·8 | Crathes S. |
| | *a* Nairn .. .. | 82 | 48 | 17th | 27 | 19th | 45·6 | 32·1 | 38·7 | - 0·6 | 10 | 36 | 5 | 0·46 | + 0·06 | *2·3* | — | *20* | • | • | • | • | • | • | *Gordon Castle.* |
| | *a* Aberdeen .. .. | 46 | 49 | 15th | 30 | 19th | 44·4 | 35·4 | 39·8 | 0·0 | 7 | 23 | 5 | 0·60 | + 0·07 | 3·8 | — | 33 | • | • | • | • | • | • | Nairn. |
| | *a* Balmoral .. .. | 930 | 48 | 16th | 21 | 19th | 43·0 | 30·1 | 36·4 | + 0·9 | 3 | 41 | 5 | 1·21 | + 0·57 | 2·1 | - 1·6 | 18 | • | • | • | • | 40·2 | +0·8 | Aberdeen. |
| | *p* Crieff .. .. | 440 | 50 | 15th | 28 | 19th | 43·6 | 32·9 | 38·1 | - 1·7 | 4 | *32* | 5 | 1·09 | + 0·40 | • | • | • | 5 | 18 | • | • | • | • | Balmoral. |
| | *a* Leith .. .. | 18 | 49 | 15th | 31 | 19th | 45·1 | 35·9 | 40·4 | - 0·8 | 9 | 23 | 5 | 1·33 | + 0·98 | 2·9 | — | 25 | • | • | • | • | • | • | Balruddery. |
| | *p* West Linton .. .. | 800 | 45 | 15th | 27 | 19th | 41·3 | 30·6 | 35·8 | - 2·0 | 0 | 43 | 4 | 1·66 | — | • | • | • | • | • | • | • | • | • | |
| | *p* Marchmont .. .. | 498 | 48 | 15th | 29 | 19th | 43·3 | 32·3 | 37·6 | - 1·0 | 4 | 33 | 6 | 1·33 | + 0·78 | *2·2* | — | *19* | 4 | 22 | • | • | • | • | *West Linton* |
| | *a Edinburgh* .. .. | *441* | *46* | *15th* | *30* | *19th* | *42·9* | *34·7* | *38·7* | — | *3* | *25* | *5* | *1·28* | — | 2·5 | - 0·9 | 22 | 3 | 24 | 38·7 | +3·0 | • | • | Marchmont. |
| | | | | | | | | | | | | | | | 3·3 | — | 29 | 5 | 22 | • | • | • | • | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | *a* Poltalloch .. .. | 132 | 48 | 15th | 31 | 19, 20 | 44·4 | 35·3 | 39·7 | - 0·8 | 7 | 24 | 5 | 1·10 | + 0·30 | • | • | • | • | • | • | • | • | • | |
| | *p* Glasgow .. .. | 180 | 47 | 21st | 33 | 16th | 43·7 | 35·7 | 39·6 | - 0·4 | 5 | 23 | 6 | 1·05 | + 0·49 | 1·9 | - 0·7 | 17 | 2 | 26 | • | • | • | • | |
| | *p* Rothesay .. .. | 73 | 48 | 15th | 34 | 16, 18–20 | 44·4 | 35·6 | 39·9 | - 1·0 | 7 | 23 | 6 | 1·08 | + 0·33 | *3·2* | — | *28* | 3 | 29 | 40·9 | • | 42·8 | +1·0 | Glasgow. |
| | *a* Kilmarnock .. .. | 90 | 49 | 15th | 29 | 20th | 44·0 | 34·1 | 38·9 | - 1·3 | 6 | 28 | 6 | 1·20 | — | *2·5* | — | *22* | • | • | • | • | • | • | *Rothesay.* |
| | *a* Colmonell .. .. | 150 | 50 | 15th | 28 | 20th | 45·9 | 35·6 | 40·6 | - 0·6 | 11 | 24 | 5 | 0·90 | + 0·14 | • | • | • | 2 | 25 | • | • | • | • | *Kilmarnock.* |
| | *p* Dumfries .. .. | 160 | 48 | 15th | 32 | 20th | 45·0 | 34·9 | 39·8 | - 0·7 | 8 | 26 | 6 | 0·75 | + 0·10 | *3·1* | — | *27* | 4 | 27 | 40·4 | • | 42·0 | • | |
| | *p* Cally, Gatehouse .. | 120 | 50 | 21st | 30 | 20th | 45·7 | 34·1 | 39·7 | - 0·5 | 10 | 29 | 6 | 1·54 | + 0·67 | • | • | • | • | • | • | • | • | • | *Dumfries.* |
| *b*, I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | *p* Douglas .. .. .. | 277 | 47 | 15th | 32 | 20th | 44·9 | 35·9 | 40·3 | - 1·1 | 8 | 23 | 6 | 1·05 | + 0·39 | 4·6 | + 0·5 | 40 | 2 | 26 | • | • | • | • | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | *a* Alnwick Castle .. | 219 | 51 | 15th | 28 | 19th | 44·4 | 35·4 | 39·8 | 0·0 | 7 | 24 | 7 | 1·11 | + 0·56 | 2·5 | — | 22 | 4 | 22 | 38·2 | +1·0 | 41·1 | +1·9 | Cockle Park |
| | *a* Shields .. .. .. | 96 | 49 | 15th | 32 | 18th | 45·0 | 36·0 | 40·4 | + 0·1 | 8 | *24* | 6 | 0·96 | + 0·54 | • | • | • | 4 | 26 | • | • | • | • | |
| | *p* Durham .. .. .. | 336 | 48 | 15th | 30 | 19, 20 | 43·6 | 33·6 | 38·5 | - 1·1 | 4 | 30 | 6 | 0·54 | + 0·16 | 1·6 | - 1·9 | 14 | 2 | 24 | • | • | • | • | Durham. |
| *a*, North .. | *p* Rounton .. .. .. | 249 | 50 | 15th | 31 | 20th | 45·0 | 34·3 | 39·5 | + 0·1 | 8 | 28 | 6 | 0·39 | - 0·02 | • | • | • | 6 | 26 | 40·7 | • | • | • | Rounton. |
| | *a West Witton* .. .. | *605* | *46* | *15, 17* | *32* | *19th* | *43·1* | *34·4* | *38·6* | — | *3* | *26* | *5* | *0·46* | — | • | • | • | 4 | 28 | 40·0 | • | 41·0 | • | *West Witton.* |
| | *p* Scarborough .. .. | 100 | 52 | 15, 16 | 32 | 19th | 46·1 | 37·0 | 41·4 | + 0·5 | 11 | 19 | 5 | 0·74 | + 0·33 | 2·5 | — | 22 | • | • | • | • | 44·5† | • | Scarborough. |
| | *p* York .. .. .. | 56 | 49 | 15th | 32 | 19th | 46·0 | 36·3 | 41·0 | + 0·2 | 11 | 22 | 6 | 0·28 | - 0·08 | 1·8 | - 1·3 | 16 | • | • | 41·9 | +2·7 | 43·5 | +2·9 | York. |
| *b*, South .. | *a* Spurn Head .. .. | 26 | 47 | 15, 16 | 33 | 19th | 44·0 | 36·9 | 40·4 | - 0·3 | 6 | 19 | 6 | 0·99 | + 0·69 | *0·8* | — | *7* | 3 | 28 | 40·1 | +1·1 | 44·0 | +3·1 | *Hull.* |
| | *a* Lincoln .. .. .. | 58 | 50 | 15, 17 | 29 | 20th | 45·7 | 35·3 | 40·4 | - 0·7 | 10 | 25 | 6 | 0·45 | + 0·10 | *1·3* | — | *11* | • | • | • | • | • | • | *Spurn Head.* |
| | *a* Fulbeck .. .. .. | 180 | 48 | 15, 17 | 27 | 20th | 44·1 | 34·3 | 39·1 | - 1·9 | 6 | 28 | 7 | 0·67 | + 0·32 | • | • | • | • | • | 40·6 | +2·5 | 43·5 | +3·5 | Lincoln. |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | 2·1 | — | 18 | 4 | 21 | 42·2 | +2·0 | 44·2 | +2·2 | Rauceby. |
| | *p* Cromer .. .. .. | 196 | 49 | 15, 17 | 32 | 19, 21 | 44·6 | 36·0 | 40·2 | 0·0 | 7 | 22 | 6 | 0·78 | — | 1·6 | — | 14 | • | • | • | • | • | • | Skegness. |
| | *p* Little Massingham .. | 280 | 48 | 15, 17 | 30 | 21st | 43·7 | 33·6 | 38·5 | - 2·1 | 5 | 30 | 6 | 1·38 | + 0·96 | *3·3* | — | *28* | 4 | 28 | 41·9 | +2·0 | 43·6 | +2·4 | *Lowestoft.* |
| *a*, North .. | *a* Yarmouth .. .. | 17 | 50 | 15th | 32 | 21st | 46·1 | 36·4 | 41·1 | + 1·2 | 11 | 21 | 6 | 1·01 | + 0·68 | 2·3 | — | 20 | • | • | • | • | • | • | Cromer. |
| | *a* Norwich .. .. | 93 | 51 | 15th | 31 | 19, 20 | 45·1 | 35·9 | 40·4 | 0·0 | 9 | 23 | 6 | 1·11 | — | 2·0 | - 1·7 | 17 | 4 | 25 | • | • | • | • | Lit. Massingham. |
| | *p* Geldeston .. .. | 37 | 52 | 15th | 33 | 19–21 | 46·4 | 36·9 | 41·5 | + 0·7 | 12 | 20 | 7 | 1·03 | + 0·68 | 3·0 | — | 26 | • | • | 42·0 | +2·0 | 45·0 | +2·5 | Yarmouth. |
| | | | | | | | | | | | | | | | 3·1 | - 0·8 | 27 | 3 | 22 | • | • | • | • | *Norwich.* |
| | *p* Cambridge .. .. | 41 | 51 | 17th | 31 | 19–21 | 46·3 | 34·6 | 40·3 | - 1·0 | 12 | 28 | 6 | 0·93 | + 0·61 | 2·5 | - 1·3 | 22 | 4 | 23 | 42·7 | +2·2 | 44·9 | +2·7 | Geldeston. |
| | *a Felixstowe* .. .. | *10* | *50* | *15th* | *33* | *21st* | *46·3* | *39·0* | *42·5* | *+ 1·5* | *16* | *8* | *6* | *1·11* | — | *2·7* | — | *23* | • | • | • | • | • | • | Cambridge. |
| *b*, South .. | *a* Clacton-on-Sea .. | 54 | 51 | 15th | 34 | 21st | 46·7 | 38·3 | 42·4 | + 1·9 | 18 | 10 | 6 | 1·16 | — | 2·3 | — | 20 | 2 | 28 | 43·5 | +2·3 | 45·5 | +1·9 | *Felixstowe.* |
| | *a* Rothamsted .. .. | 424 | 51 | 15th | 30 | 20th | 45·4 | 35·3 | 40·2 | - 0·1 | 10 | 25 | 7 | 0·80 | + 0·38 | 2·5 | - 1·1 | 22 | • | • | • | • | • | • | Clacton. |
| | *a Shoeburyness* .. .. | *13* | *51* | *15th* | *34* | *21st* | *46·9* | *38·3* | *42·6* | *+ 0·5* | *19* | *10* | *7* | *1·20* | *+ 0·94* | *2·5* | — | *22* | 4 | 28 | 43·6 | +2·8 | • | • | Rothamsted. |
| | *p* Tottenham .. .. | 51 | 52 | 17th | 33 | 21st | 47·3 | 37·1 | 42·1 | + 0·6 | 21 | 14 | 7 | 0·91 | — | 2·1 | — | 18 | 3 | 29 | • | • | 45·6 | +2·9 | *Southend.* |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | | Tottenham. |
| | *a* Harrogate .. .. | 476 | 46 | 15th | 30 | 19th | 43·7 | 33·6 | 38·5 | - 0·8 | 5 | 30 | 6 | 0·41 | - 0·07 | *2·1* | — | *18* | 3 | 26 | 40·7 | +2·9 | 42·5 | +2·7 | *Huddersfield.* |
| | *a* Bawtry .. .. | 65 | 50 | 15th | 30 | 20th | 45·4 | 35·4 | 40·3 | - 0·9 | 10 | 25 | 5 | 0·15 | - 0·19 | 2·2 | — | 19 | 5 | 25 | 40·1 | +1·6 | 41·7 | +2·1 | Harrogate. |
| | *p Buxton* .. .. | *987* | *47* | *15th* | *29* | *20th* | *42·9* | *33·0* | *37·8* | *+ 0·2* | *3* | *31* | *6* | *1·04* | *+ 0·11* | 1·2 | - 1·9 | 10 | 4 | 22 | 41·6 | • | 43·2 | • | Worksop. |
| *a*, East .. | *a* Nottingham .. .. | 82 | 49 | 15, 17 | 28 | 20th | 46·3 | 34·7 | 40·3 | - 0·5 | 12 | 27 | 7 | 0·62 | + 0·27 | *2·9* | — | *25* | 4 | 29 | 40·7 | +3·2 | 42·8 | +2·5 | *Buxton.* |
| | *p* Birmingham, Edgbsn. | 535 | 48 | 16th | 31 | 20th | 45·1 | 34·4 | 39·6 | - 0·7 | 9 | 28 | 5 | 0·31 | - 0·09 | 1·5 | — | 13 | 4 | 24 | 40·2 | +1·9 | 42·4 | +3·2 | Nottingham. |
| | *a* Baunds .. .. .. | 204 | 51 | 15, 17 | 29 | 20, 21 | 46·6 | 33·9 | 40·1 | - 0·3 | 13 | 31 | 7 | 0·78 | — | 2·4 | — | 21 | 3 | 28 | 41·1 | +1·6 | 45·0 | +2·3 | Birmingham. |
| | *p* Oxford .. .. .. | 208 | 51 | 15th | 33 | 19–21 | 46·7 | 36·0 | 41·2 | - 0·3 | 13 | 23 | 7 | 0·95 | + 0·63 | *3·0* | — | *26* | 4 | 22 | 43·5 | • | 45·0 | • | *Baunds.* |
| | | | | | | | | | | | | | | | 2·5 | - 1·0 | 22 | 4 | 24 | • | • | • | • | Oxford. |
| | *a* Cheadle .. .. .. | 646 | 47 | 15, 17 | 30 | 16th | 44·3 | 32·0 | 38·0 | - 1·5 | 6 | 36 | 7 | 0·70 | + 0·20 | 1·5 | — | 13 | 3 | 28 | 41·1 | +2·9 | 43·0 | +2·9 | Sheffield. |
| | *p* Shrewsbury .. .. | 191 | 50 | 15, 16, 18 | 29 | 20th | 47·1 | 34·6 | 40·7 | - 1·1 | 14 | 28 | 6 | 0·71 | — | • | • | • | 4 | 26 | • | • | • | • | Cheadle. |
| *b*, West .. | *a* Hereford§ .. .. | 291 | 51 | 15th | 30 | 20th | 47·9 | 34·9 | 41·2 | - 0·3 | 17 | 28 | 5 | 0·41 | + 0·02 | *2·8* | — | *24* | 4 | 25 | 41·0 | • | 44·2 | • | Shrewsbury. |
| | *a* Cirencester .. .. | 446 | 52 | 15th | 31 | 20th | 45·9 | 35·1 | 40·3 | + 0·3 | 11 | 25 | 6 | 0·65 | + 0·19 | 3·5 | - 0·1 | 30 | 3 | 29 | 42·7 | • | 44·4 | • | *Malvern.§* |
| | *a* Bath .. .. .. | 66 | 54 | 15th | 32 | 21st | 49·1 | 36·7 | 42·7 | + 0·9 | 27 | 15 | 6 | 1·05 | + 0·58 | 3·5 | — | 30 | • | • | 44·4 | +2·7 | 46·3 | +2·8 | Cirencester. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | | Bath. |
| | *p* Kew .. .. .. | 18 | 51 | 15th | 33 | 19, 21 | 45·6 | 36·7 | 41·0 | - 0·6 | 10 | 20 | 7 | 0·99 | + 0·63 | 2·3 | - 0·9 | 20 | 4 | 26 | 43·0 | +2·5 | 45·4 | +2·5 | Kew. |
| | *a* Marlborough .. .. | 424 | 51 | 15th | 30 | 21st | 45·0 | 33·6 | 39·1 | - 1·0 | 8 | 30 | 5 | 1·32 | + 0·78 | 1·5 | - 1·7 | 13 | 4 | 21 | • | • | 45·1 | • | Marlborough. |
| | *a* Margate .. .. | 35 | 51 | 15, 20 | 32 | 21st | 47·7 | 38·4 | 42·9 | + 1·5 | 21 | 10 | 7 | 1·60 | + 1·26 | 2·9 | - 0·9 | 25 | 2 | 29 | 44·5 | +3·8 | 46·1 | +4·2 | Margate. |
| | *a* Wisley, Surrey .. | 150 | 51 | 15th | 32 | 21st | 46·3 | 37·0 | 41·5 | - 0·7 | 12 | 19 | 7 | 1·23 | — | 2·6 | — | 22 | 4 | 24 | 42·3 | +1·9 | 44·4 | +2·1 | Wisley. |
| | *p* Salisbury (Wilton) .. | 180 | 53 | 16th | 29 | 21st | 48·3 | 35·4 | 41·7 | + 0·4 | 18 | 26 | 7 | 1·76 | + 1·26 | 3·6 | — | 31 | 2 | 26 | 44·0 | +2·6 | 46·0 | +2·7 | Worthing. |
| | *a* Tunbridge Wells .. | 418 | | | | | | | | | | | | | • | • | • | 4 | 23 | 43·8 | • | • | • | • | Salisbury. |
| | *a* Dungeness .. .. | 21 | 50 | 15, 16 | 33 | 17th | 48·1 | 38·1 | 43·0 | + 1·5 | 23 | 11 | 6 | 1·62 | + 1·26 | 3·5 | — | 30 | • | • | • | • | • | • | Tunbridge Wells. |
| | *p* Hastings .. .. | 178 | 52 | 15th | 33 | 21st | 48·0 | 37·6 | 42·7 | + 0·8 | 23 | 12 | 7 | 1·93 | + 1·45 | *3·3* | *- 1·0* | *28* | 4 | 25 | 44·0 | • | 45·0 | • | Littlestone. |
| | *p* Southampton .. .. | 65 | 51 | 15th | 32 | 21st | 47·6 | 37·1 | 42·2 | - 1·1 | 22 | 14 | 6 | 1·41 | + 0·92 | 3·3 | - 0·6 | 28 | 4 | 25 | • | • | • | • | *Hastings.* |
| | *a* Ventnor .. .. .. | 80 | 50 | 15, 17, 21 | 36 | 21st | 48·7 | 39·6 | 44·0 | + 0·7 | 24 | 7 | 6 | 1·44 | + 0·98 | 4·0 | - 0·4 | 35 | • | • | • | • | • | • | Southampton. |
| | | | | | | | | | | | | | | | *3·9* | — | *34* | 4 | 26 | 45·3 | +3·0 | 47·1 | +1·4 | Ventnor. |
| LONDON. | | | | | | | | | | | | | | | 3·4 | - 0·8 | 29 | • | • | 44·8 | • | 46·3 | • | *Portsmouth.* |
| | *a Westminster* .. .. | *27* | *52* | *15th* | *32* | *21st* | *47·3* | *38·6* | *42·8* | *+ 0·9* | *20* | *10* | *7* | *0·94* | *+ 0·56* | *4·3* | — | *37* | • | • | 44·0 | • | 45·2 | • | Eastbourne. |
| | *a Greenwich* .. .. | *155* | *51* | *15, 17* | *32* | *19, 21* | *46·9* | *37·0* | *41·8* | *- 1·1* | *14* | *20* | *7* | *0·96* | *+ 0·59* | *3·4* | - 0·7 | *29* | 2 | 27 | • | • | 44·7 | • | *Bournemouth.* |
| | *a Hampstead* .. .. | *450* | *49* | *15th* | *30* | *21st* | *44·4* | *35·3* | *39·7* | — | *7* | *24* | *7* | *0·89* | — | *2·0* | *- 0·1* | *17* | 1 | 30 | • | • | • | • | *Brighton.* |
| | *a Camden Square* .. | *110* | *51* | *15th* | *31* | *21st* | *46·9* | *37·3* | *42·0* | — | *14* | *13* | *7* | *1·03* | — | *2·4* | *- 0·7* | *21* | 4 | 21 | • | • | • | • | *Westminster.* |
| | | | | | | | | | | | | | | | *2·0* | — | *17* | ? | ? | • | • | • | • | *Greenwich.* |
| | | | | | | | | | | | | | | | *1·9* | — | *16* | 3 | 26 | • | • | • | • | *Hampstead.* |
| | | | | | | | | | | | | | | | *3·6* | — | *22* | 3 | 24 | 40·6 | +2·8 | 42·7 | +2·6 | *Camden Square.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | *p* Aspatria .. .. .. | 250 | 47 | 15, 21 | 28 | 20th | 45·0 | 33·3 | 39·0 | - 0·6 | 8 | 32 | 5 | 1·13 | + 0·47 | 3·9 | • | 34 | • | • | • | • | • | • | *Burnley.* |
| | *p* Newton Rigg .. .. | 559 | 46 | 15th | 25 | 20th | 42·3 | 32·1 | 37·1 | - 1·7 | 1 | 34 | 6 | 1·67 | + 1·08 | 3·0 | — | 26 | 3 | 22 | 42·0 | • | 43·9 | • | Hoylake. |
| | *p* Stonyhurst .. .. | 375 | 46 | 15–17, 21 | 30 | 20th | 44·6 | 35·6 | 40·0 | + 0·2 | 7 | 24 | 7 | 1·05 | + 0·24 | 2·3 | - 1·1 | 20 | 6 | 20 | 40·7 | +1·7 | 41·8 | +2·0 | Aspatria. |
| | *p* Blackpool .. .. | 66 | 48 | 15th | 30 | 20th | 45·9 | 36·7 | 41·2 | + 0·5 | 11 | 21 | 6 | 0·86 | + 0·32 | 2·9 | - 0·4 | 25 | 5 | 24 | • | • | • | • | Newton Rigg. |
| | *p* Manchester (Whit. Pk.) | 125 | 48 | 15–17 | 33 | 20th | 46·1 | 36·7 | 41·3 | 0·0 | 11 | 21 | 6 | 0·67 | + 0·22 | 3·9 | + 0·6 | 34 | 2 | 26 | 43·1 | • | 45·0 | • | Stonyhurst |
| | *a* Liverpool (Bidston) .. | 188 | 49 | 15th | 33 | 19th | 45·9 | 36·4 | 41·0 | - 1·4 | 11 | 21 | 7 | 0·70 | + 0·28 | *2·0* | *- 0·1* | *17* | • | • | • | • | • | • | Blackpool. |
| | *a Hawarden Bridge* .. | *22* | *51* | *15th* | *35* | *19, 20* | *46·3* | *37·7* | *41·9* | *- 0·4* | *12* | *17* | *5* | *0·55* | *+ 0·21* | *3·7* | — | *32* | • | • | • | • | • | • | *Whit. Park.* |
| | | | | | | | | | | | | | | | *3·6* | + *0·1* | *31* | 3 | 23 | 42·6 | +2·9 | 44·0 | +3·2 | *Liverpool.* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | *2·2* | — | *19* | 2 | 28 | 41·0 | +2·3 | 45·0 | +3·3 | *Southport.* |
| | *p* Llandudno .. .. | 71 | 50 | 15th | 33 | 20th | 46·0 | 38·7 | 42·2 | - 0·3 | 15 | 9 | 6 | 1·35 | + 0·85 | 3·4 | - 0·1 | 29 | • | • | • | • | • | • | *Manchester (City).* |
| | *a* Holyhead .. .. | 57 | 49 | 15th | 34 | 20th | 46·7 | 38·6 | 42·5 | + 0·1 | 18 | 10 | 4 | 0·59 | + 0·01 | *4·3* | — | *37* | • | • | • | • | • | • | Llandudno. |
| | | | | | | | | | | | | | | | 4·5 | — | 39 | • | • | • | • | • | • | *Holyhead.* |
| | | | | | | | | | | | | | | | | | | | | | | | | | Aberdovey. |

* For note see also opposite page.

† At 3 feet.

‖ Hoar frost.

§ The temperature on the grass refers to Hereford.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | • | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 4·3 | — | 37 | • | • | • | • | • | • | |
| *a* Llangammarch Wells | 550 | 50 | 15th | 30 | 20th | 44·9 | 34·0 | 39·3 | — 0·7 | 8 | 29 | 7 | 1·50 | — | 3·2 | — | 28 | 3 | 24 | 41·9 | +2·0 | 45·7 | +2·9 | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 50 | 15th | 36 | 18, 20 | 46·1 | 37·1 | 41·5 | — 1·0 | 11 | 19 | 8 | 0·52 | + 0·01 | 4·4 | + 0·4 | 38 | • | • | • | • | • | • | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 51 | 15th | 32 | 20th | 47·4 | 35·6 | 41·3 | — 1·1 | 15 | 25 | 6 | 1·10 | + 0·41 | *4·6* | — | *40* | 3 | 28 | 43·5 | +3·5 | 45·4 | +3·0 | Pembroke. *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 50 | 15th | 33 | 20, 21 | 47·6 | 37·0 | 42·1 | + 0·3 | 22 | 14 | 5 | 0·75 | + 0·23 | *3·6* | — | *31* | 0 | 32 | • | • | • | • | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 50 | 15th | 31 | 20th | 43·6 | 34·3 | 38·8 | — 1·3 | 4 | 27 | 5 | 0·93 | + 0·42 | • | • | • | • | • | 42·2 | • | 44·9 | • | Shaftesbury. |
| *a* Arlington .. .. | 613 | 50 | 16th | 31 | 18th | 45·9 | 35·0 | 40·3 | — 0·3 | 11 | 26 | 6 | 1·53 | + 0·67 | • | • | • | • | • | • | • | • | • | Arlington. |
| *a Newquay* .. .. | *190* | *51* | *15th* | *33* | *20th* | *47·6* | *39·9* | *43·6* | *— 0·4* | *20* | *6* | *5* | *0·96* | *+ 0·43* | 4·4 | + 0·2 | 38 | 1 | 30 | 46·3 | • | 47·6 | • | Newquay. |
| *a* Cullompton .. .. | 202 | 54 | 15th | 33 | 19, 20 | 48·4 | 36·6 | 42·3 | + 0·1 | 25 | 15 | 7 | 1·23 | + 0·66 | 4·1 | + 0·3 | 35 | 4 | 27 | 45·1 | • | • | • | Cullompton. |
| *a* Portland .. .. | 19 | 50 | 15th | 37 | 20th | 47·0 | 41·6 | 44·2 | + 1·5 | 17 | 1 | 6 | 1·52 | — | *4·6* | — | *40* | • | • | • | • | • | • | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 52 | 15th | 35 | 18, 20, 21 | 48·7 | 38·4 | 43·4 | — 0·1 | 25 | 10 | 5 | 1·49 | + 0·89 | 5·4 | + 1·3 | 47 | 0 | 31 | 45·4 | +2·5 | • | • | Plymouth. |
| *a* Falmouth .. .. | 167 | 53 | 15th | 34 | 20th | 48·9 | 37·9 | 43·2 | — 0·8 | 26 | 11 | 7 | 1·34 | + 0·61 | 5·2 | + 0·9 | 45 | 2 | 29 | 47·3 | • | 48·6 | • | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. *a* Malin Head .. .. | 208 | 46 | 21st | 32 | 16, 19 | 44·6 | 35·1 | 39·7 | — 1·7 | 7 | 25 | 6 | 0·84 | + 0·34 | • | • | • | • | • | • | • | • | • | |
| *a* Blacksod Point | 37 | 50 | 15th | 34 | 19th | 46·6 | 37·3 | 41·8 | — 1·4 | 13 | 19 | 7 | 1·46 | + 0·59 | • | • | • | • | • | • | • | • | • | |
| *p* Markree Castle .. | 122 | 48 | 15, 16, 21 | 29 | 18–20 | 46·3 | 33·0 | 39·5 | — 1·6 | 12 | 33 | 7 | 0·86 | + 0·14 | 4·1 | + 0·8 | 35 | 6 | 22 | 42·8 | • | 44·6 | • | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 51 | 15th | 26 | 20th | 46·7 | 32·6 | 39·4 | — 2·0 | 13 | 34 | 5 | 0·93 | + 0·40 | *3·7* | *+ 0·2* | *32* | • | • | • | • | • | • | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 51 | 21st | 29 | 20th | 46·1 | 33·3 | 39·5 | — 1·6 | 11 | 32 | 6 | 0·45 | — 0·05 | 3·3 | + 0·1 | 28 | 4 | 24 | 41·8 | +0·5 | 44·0 | +0·9 | Armagh. |
| *a* Donaghadee .. .. | 40 | 49 | 15th | 32 | 19, 20 | 45·4 | 35·7 | 40·4 | — 1·5 | 10 | 23 | 6 | 0·29 | — 0·20 | • | • | • | • | • | • | • | • | • | |
| | | | | | | | | | | | | | | | • | • | • | 5 | 23 | 43·5 | +1·4 | 45·5 | +0·6 | Trinity Coll. |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 3·9 | + 0·1 | 34 | 5 | 18 | • | • | • | • | Phœnix Park. |
| *a*, East .. *p* Dublin, City .. .. | 47 | 52 | 15th | 30 | 20th | 47·0 | 35·6 | 41·1 | — 2·1 | 14 | 25 | 6 | 0·49 | + 0·06 | • | • | • | 1 | 28 | • | • | • | • | Dublin City. |
| *a* Kilkenny .. .. | 195 | 54 | 15th | 28 | 20th | 47·1 | 33·9 | 40·3 | — 1·7 | 14 | 31 | 7 | 0·36 | — 0·14 | • | • | • | • | • | • | • | • | • | |
| *a* Waterford .. .. | 100 | 56 | 15th | 30 | 18th | 48·1 | 34·7 | 41·2 | — 1·6 | 17 | 28 | 4 | 0·52 | — 0·10 | • | • | • | • | • | • | • | • | • | |
| *a Carrick-on-Suir* .. | *541* | *55* | *15th* | *28* | *20th* | *47·3* | *33·6* | *40·3* | — | *15* | *32* | *6* | *0·47* | — | *5·5* | — | *47* | 3 | 21 | • | • | • | • | *Carrick-on-Suir.* |
| *a* Birr Castle .. .. | 175 | 51 | 15th | 26 | 20th | 46·7 | 32·6 | 39·4 | — 2·0 | 13 | 34 | 5 | 0·93 | + 0·40 | 3·7 | + 0·2 | 32 | • | • | • | • | • | • | |
| *a* Foynes .. .. | 50 | 54 | 15th | 32 | 18th | 47·4 | 36·1 | 41·6 | — 1·7 | 15 | 23 | 6 | 0·99 | + 0·36 | • | • | • | • | • | • | • | • | • | Birr Castle. |
| *b*, West .. *a* Cahir .. .. | 199 | 56 | 15th | 30 | 18, 20 | 47·7 | 34·9 | 41·1 | — 1·4 | 16 | 27 | 7 | 0·98 | — | • | • | • | • | • | • | • | • | • | |
| *a* Killarney .. .. | 174 | 58 | 15th | 30 | 20th | 49·5 | 37·1 | 43·1 | — 1·0 | 28 | 14 | 7 | 2·04 | + 0·99 | • | • | • | • | • | • | • | • | • | |
| *a* Valencia .. .. | 30 | 53 | 15th | 37 | 20th | 48·4 | 38·4 | 43·3 | — 1·4 | 24 | 10 | 7 | 0·97 | — 0·06 | 3·5 | — 0·4 | 30 | • | • | • | • | • | • | Valencia. |
| *a* Roche's Point .. | 32 | 56 | 15th | 34 | 18, 20 | 48·3 | 36·9 | 42·4 | — 1·6 | 24 | 14 | 7 | 0·51 | — 0·14 | 4·9 | • | 42 | • | • | • | • | • | • | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 52 | 15th | 36 | 20th | 49·0 | 39·7 | 44·2 | — 1·3 | 25 | 6 | 6 | 1·83 | + 1·29 | 4·9 | + 0·5 | 42 | • | • | • | • | • | • | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 52 | 15th | 38 | 18th | 50·1 | 41·6 | 45·7 | + 1·2 | 28 | 1 | 7 | 0·86 | + 0·35 | 4·3 | — 0·3 | 37 | • | • | • | • | • | • | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 51 | 15, 17, 21 | 36 | 18, 19 | 48·9 | 40·3 | 44·5 | — 0·2 | 25 | 5 | 6 | 1·23 | + 0·67 | 4·4 | — 0·2 | 38 | 0 | 36 | 46·0 | +2·0 | 46·4 | +1·2 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 4·3 hrs. 37 %; Ramsgate. 2·8 hrs. 24 %; Rhyl, 3·5 hrs. 30 %; Salcombe, 6·3 hrs. 54 %; Tenby, 5·2 hrs. (+0·9) 45 %; Torquay, 5·2 hrs. (+0·9) 45 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Mar. 21st.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 43 | 43 | 43·0 | +0·8 |
| Kirkwall .. .. | 44 | 43 | 43·6 | +3·2 |
| Wick .. .. .. | 43 | 42 | 42·6 | −0·3 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 43 | 38 | 41·2 | +1·6 |
| Pennan Bay .. .. | 43 | 42 | 42·8 | +2·7 |
| Aberdeen, Cove Bay | 42 | 42 | 42·0 | +1·3 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 45 | 44 | 44·4 | +0·8 |
| Ballantrae .. .. | 45 | 42 | 43·9 | +0·9 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 40 | 37 | 38·6 | −1·0 |
| Scarborough .. .. | 45 | 40 | 42·8 | +2·5 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 45 | 40 | 44·0 | +3·6 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 46 | 44 | 45·1 | +3·1 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 46 | 45 | 45·4 | +1·7 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 50 | 49 | 49·5 | +3·0 |
| Scilly .. .. .. | 50 | 49 | 49·6 | — |
| Plymouth‡ .. .. | 48 | 47 | 47·6 | +1·5 |
| Salcombe .. .. | 50 | 47 | 48·3 | +3·2 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 47 | 44 | 45·4 | +0·5 |
| Teelin .. .. .. | 49 | 41 | 44·5 | −0·4 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 46 | 44 | 44·9 | +0·3 |
| Seafield .. .. | 49 | 42 | 45·0 | −1·2 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, Mar. 21st.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Aberdeen .. .. | 105 | — | — | — | — | — | — | — | — | — — — |
| Rosyth .. .. | 73 | — | — | 15th | 9 | 68 | 91 | W. by S. 15 | 15th 3h. | 22 15th 2.15 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 15 to 17, 21 | 23 | 73 | 72 | W. 15 | 15th 3h. | 25 15th 2.50 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 61 | 107 | NW.byN. 10 | 16th 13h. | 23 15th 0.55 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | 15, 16, 21 | 12 | 50 | 106 | W. by N. 12 | 15th 6h. | 22 21st 11.10 |
| South Shields .. | 61 | — | — | 15, 16 | 14 | 81 | 73 | WNW. 14 | 15th 10h. | 21 15th 10.15 |
| Spurn Head .. | 40 | 16th | 2 | 15, 16, 18, 21 | 25 | 96 | 45 | N. 18 | 16th 13h. | 25 16th 12.50 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | 16th | 1 | 16, 18 to 20 | 25 | 108 | 34 | — 17 | 16th 15h. | 27 16th 15.32 |
| Shoeburyness .. | 90 | — | — | 15, 16, 18 to 20 | 20 | 111 | 37 | S. by W. 15 | 18th 9h. | 26 16th 9.20 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | 16th | 2 | 15, 16, 18 to 20 | 31 | 81 | 54 | — 19 | 16th 17h. | 30 16th 16.40 |
| Warlingham .. | 33 | — | — | 16th | 3 | 62 | 103 | — 11 | 16th 11h. | 22 16th 9.45 |
| Brighton .. .. | 53 | — | — | 16, 18 | 14 | 103 | 51 | — 17 | 16th 14h. | 26 16th 11.30 |
| Kew .. .. .. | 40 | — | — | 16th | 7 | 86 | 75 | — 14 | 16th 10h. | 23 16th 9.40 |
| South Kensington | 92 | — | — | — | — | 17 | 151 | WSW. 8 | 16th 10h. | 18 16th 7.20 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Southport .. .. | 62 | 15, 16 | 6 | 15 to 18, 21 | 54 | 73 | 35 | W. 19 | 15th 3h. | 27 15th 2.55 |
| Holyhead .. .. | 40 | 16th | 6§ | 15 to 18, 21 | 47§ | 59§ | 35§ | NW. 22 | 16th 8h. | 29 16th 8.50 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | 15 to 17, 20 | 15 | 15 to 21 | 84 | 59 | 10 | SSW. 22 | 17th 22h. | 29 16th 8.40 |
| Plymouth .. .. | 86 | 17 | 4 | 15 to 17, 20 | 27 | 92 | 45 | — 19 | 17th 23h. | 27 17th 23.45 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | 15, 16 | 8§ | 15 to 21 | 59§ | 60§ | 32§ | — 20 | 16th 22h. | 31 16th 1.40 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — — | — — — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | 16, 20, 21 | 17§ | 15 to 21 | 86§ | 50§ | 12§ | WNW. 21 | 16th 6h. | 28 21st 3.20 |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907–1911, but in some cases for 1908–1911, or 1909–1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**ELEVENTH WEEK**—March 15th to March 21st, 1914.

| DISTRICTS. (See Frontispiece map) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Means of | | | | Accumulated Number of Day-Degrees. | | | | | | | | | | | |
| | Highest. | Lowest. | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 48 | 27 | 44·2 | 35·1 | 39·5 | + 0·4 | 6 | − 3 | 25 | − 6 | 6 | + 1 | 0·75 | −0·31 | 2·5 | −0·3 | 22 | 992 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 50 | 21 | 43·9 | 32·8 | 38·2 | − 1·1 | 5 | − 10 | 32 | − 2 | 5 | + 1 | 1·06 | +0·53 | 2·7 | −0·7 | 24 | 991 |
| 2. ENGLAND, N.E. ... ... | 52 | 27 | 44·9 | 35·5 | 40·1 | − 0·6 | 8 | − 11 | 24 | − 3 | 6 | + 3 | 0·68 | +0·26 | 2·0 | −2·0 | 17 | 992 |
| 3. ENGLAND, EAST ... | 52 | 30 | 45·7 | 36·0 | 40·7 | − 0·2 | 10 | − 14 | 23 | − 6 | 6 | + 3 | 1·01 | +0·68 | 2·5 | −1·5 | 21 | 994 |
| 4. MIDLAND COUNTIES ... | 54 | 28 | 46·2 | 34·7 | 40·3 | − 0·7 | 12 | − 12 | 27 | − 2 | 6 | + 3 | 0·61 | +0·24 | 2·3 | −1·2 | 20 | 995 |
| 5. ENGLAND, S.E. ... ... | 53 | 29 | 47·3 | 37·1 | 42·0 | 0·0 | 15 | − 9 | 14 | − 8 | 6 | + 3 | 1·48 | +1·08 | 3·0 | −0·8 | 26 | 996 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 50 | 28 | 44·8 | 35·2 | 39·8 | − 0·9 | 8 | − 8 | 24 | − 1 | 6 | + 2 | 1·08 | +0·30 | 3·3 | −0·1 | 28 | 992 |
| 7. ENGLAND, N.W. ... ... | 50 | 25 | 45·3 | 36·0 | 40·5 | − 0·7 | 9 | − 9 | 22 | 0 | 6 | + 2 | 1·00 | +0·49 | 3·4 | +0·1 | 29 | 994 |
| 8. ENGLAND, S.W. ... ... | 54 | 30 | 46·9 | 36·8 | 41·6 | − 0·9 | 14 | − 10 | 20 | + 2 | 6 | + 2 | 1·19 | +0·62 | 4·4 | +0·6 | 38 | 997 |
| 9. IRELAND, NORTH ... | 51 | 26 | 46·0 | 34·5 | 40·1 | − 1·7 | 11 | − 10 | 28 | + 7 | 6 | + 1 | 0·81 | +0·25 | 3·7 | +0·5 | 32 | 993 |
| 10. IRELAND, SOUTH ... | 58 | 26 | 47·8 | 35·6 | 41·5 | − 1·8 | 16 | − 11 | 25 | + 9 | 6 | + 2 | 0·75 | +0·12 | 4·0 | +0·3 | 35 | 997 |
| 11. ENGLISH CHANNEL ... | 52 | 36 | 49·3 | 40·5 | 44·8 | − 0·3 | 26 | − 3 | 4 | − 3 | 6 | + 2 | 1·31 | +0·84 | 4·5 | −0·3 | 39 | 1000 |

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 3 Weeks, March 1st to March 21st, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 50 | 22 | * | * | * | * | 16 | − 6 | 87 | − 15 | 19 | + 4 | 3·27 | +0·27 | 3·1 | +0·5 | 28 | 995 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 50 | 16 | * | * | * | * | 20 | − 12 | 104 | − 9 | 16 | + 4 | 2·54 | +0·96 | 3·3 | +0·2 | 30 | 996 |
| 2. ENGLAND, N.E. ... ... | 54 | 25 | * | * | * | * | 49 | + 6 | 64 | − 27 | 15 | + 4 | 1·55 | +0·36 | 3·0 | −0·4 | 27 | 998 |
| 3. ENGLAND, EAST ... | 58 | 28 | * | * | * | * | 70 | + 16 | 47 | − 52 | 17 | + 6 | 3·21 | +2·19 | 2·8 | −0·7 | 25 | 1002 |
| 4. MIDLAND COUNTIES ... | 57 | 25 | * | * | * | * | 61 | + 5 | 62 | − 36 | 16 | + 6 | 2·30 | +1·09 | 2·6 | −0·4 | 24 | 1002 |
| 5. ENGLAND, S.E. ... ... | 59 | 27 | * | * | * | * | 76 | + 18 | 27 | − 50 | 18 | + 8 | 3·97 | +2·66 | 3·0 | −0·4 | 27 | 1003 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 53 | 25 | * | * | * | * | 31 | − 5 | 70 | − 14 | 19 | + 7 | 3·87 | +1·44 | 3·3 | +0·3 | 30 | 998 |
| 7. ENGLAND, N.W. ... ... | 55 | 25 | * | * | * | * | 44 | + 2 | 50 | − 27 | 18 | + 7 | 2·88 | +1·26 | 3·0 | 0·0 | 27 | 1001 |
| 8. ENGLAND, S.W. ... ... | 57 | 24 | * | * | * | * | 67 | + 6 | 28 | − 36 | 20 | + 9 | 4·99 | +3·05 | 3·1 | −0·4 | 28 | 1005 |
| 9. IRELAND, NORTH ... | 55 | 26 | * | * | * | * | 49 | − 4 | 64 | − 6 | 20 | + 6 | 3·42 | +1·60 | 2·8 | −0·1 | 26 | 999 |
| 10. IRELAND, SOUTH ... | 58 | 26 | * | * | * | * | 74 | + 3 | 40 | − 14 | 19 | + 7 | 2·96 | +0·90 | 3·4 | 0·0 | 31 | 1003 |
| 11. ENGLISH CHANNEL ... | 55 | 35 | * | * | * | * | 99 | + 22 | 4 | − 21 | 20 | + 8 | 3·63 | +1·97 | 3·2 | −1·1 | 29 | 1007 |

THE YEAR.—Aggregates, &c., for the Period of 11 Weeks, January 4th, 1914, to March 21st, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 56 | 16 | * | * | * | * | 92 | + 16 | 317 | − 79 | 59 | + 3 | 14·78 | +1·73 | 1·7 | +0·1 | 20 | 1001 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 58 | 15 | * | * | * | * | 107 | + 14 | 375 | − 74 | 50 | + 7 | 7·52 | +1·46 | 2·1 | −0·1 | 24 | 1003 |
| 2. ENGLAND, N.E. ... ... | 59 | 24 | * | * | * | * | 196 | + 83 | 237 | −122 | 47 | + 7 | 4·24 | +0·01 | 2·1 | −0·2 | 23 | 1007 |
| 3. ENGLAND, EAST ... | 58 | 19 | * | * | * | * | 209 | + 78 | 238 | −163 | 44 | + 4 | 6·34 | +2·30 | 2·3 | −0·2 | 25 | 1011 |
| 4. MIDLAND COUNTIES ... | 61 | 15 | * | * | * | * | 211 | + 65 | 286 | −112 | 44 | + 5 | 5·26 | +0·29 | 1·9 | −0·2 | 20 | 1010 |
| 5. ENGLAND, S.E. ... ... | 59 | 10 | * | * | * | * | 230 | + 69 | 208 | − 99 | 46 | + 8 | 8·55 | +3·25 | 2·5 | +0·1 | 26 | 1012 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 55 | 18 | * | * | * | * | 142 | + 26 | 253 | − 63 | 59 | +11 | 12·93 | +2·47 | 1·6 | −0·4 | 18 | 1005 |
| 7. ENGLAND, N.W. ... ... | 58 | 22 | * | * | * | * | 205 | + 80 | 187 | −112 | 50 | + 6 | 8·46 | +1·72 | 2·0 | −0·1 | 22 | 1007 |
| 8. ENGLAND, S.W. ... ... | 58 | 19 | * | * | * | * | 239 | + 44 | 169 | − 70 | 54 | +10 | 11·45 | +3·21 | 2·1 | −0·3 | 22 | 1010 |
| 9. IRELAND, NORTH ... | 57 | 25 | * | * | * | * | 203 | + 40 | 198 | − 64 | 60 | + 9 | 10·94 | +3·24 | 1·6 | −0·5 | 18 | 1003 |
| 10. IRELAND, SOUTH ... | 59 | 24 | * | * | * | * | 267 | + 31 | 148 | − 52 | 61 | +15 | 11·68 | +2·81 | 2·2 | −0·2 | 23 | 1007 |
| 11. ENGLISH CHANNEL ... | 55 | 25 | * | * | * | * | 302 | + 29 | 70 | − 25 | 54 | + 5 | 9·00 | +2·04 | 2·7 | −0·3 | 28 | 1012 |

M.O., March 24, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. *Vol. XXXI. (New Series.)* No. 12. TWELFTH WEEK, SUNDAY, MARCH 22ND, TO SATURDAY, MARCH 28TH, 1914. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

**Remarks on Wind and Weather.** With the barometer high over the extreme north of Europe and Iceland, and also far to the southward and south-westward of these Islands, depressions on the Atlantic passed over the United Kingdom in an easterly direction. The gradient was seldom steep in the immediate vicinity of their central areas, and the winds in this country were not often stronger than a fresh breeze, the general direction being from South-West or West in the south, and between South and East in the north. Severe gales were, however, experienced over the Bay of Biscay, and occasionally extended to the western part of the English Channel, while the Easterly wind blew a gale on the 25th in Shetland. At the end of the week a very deep depression, having its centre far out on the Atlantic, was moving northward, and the general distribution of pressure was undergoing considerable modification. Thunder, or thunder and lightning, occurred at many places in the east and south-east of England, and at Cardiff on the 22nd, and at some places in Ireland, Wales and southern England on the 26th. More than an inch of rain fell in the south of Ireland on the 28th, the largest amount reported being 1·5 in. at Carrick-on-Suir.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Deficient | Moderate | Moderate | Deficient | Moderate | Moderate |
| | Rainfall ... | Light | Moderate | Light | Moderate | Moderate | Heavy | Moderate | Moderate | Heavy | Moderate | Heavy | Very heavy |
| | Sunshine ... | Abundant | Moderate | Moderate | Abundant | Scanty | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 4 weeks from March 1st, 1914. | Warmth ... | 0*0 | 0*0 | 1*0 | 2*1 | 1·0 | 2*0 | 1*1 | 1*0 | 2*0 | 1*2 | 1*1 | 2*0 |
| | Rainfall ... | 1*1 | 3*0 | 2*1 | 3*0 | 2*0 | 3*0 | 3*0 | 4*0 | 4*0 | 2*0 | 2*0 | 3*0 |
| | Sunshine ... | 2*0 | 1*0 | 0*1 | 1*2 | 0*2 | 0*0 | 1*0 | 1*1 | 0*1 | 0*1 | 0*1 | 0*3 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 1913. Mar. 2nd.–May 31st. 13 weeks. | Warmth ... | 2*5 | 2*5 | 5*2 | 5*2 | 4*2 | 4*2 | 2*4 | 4*3 | 3*2 | 1*3 | 1*3 | 3*4 |
| | Rainfall ... | 6*2 | 5*3 | 5*4 | 5*2 | 7*3 | 6*1 | 8*2 | 7*3 | 6*1 | 7*2 | 6*1 | 7*3 |
| | Sunshine ... | 3*3 | 2*3 | 1*4 | 2*6 | 2*5 | 2*4 | 1*8 | 1*4 | 0*6 | 2*5 | 1*6 | 0*10 |
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4*3 | 2*4 | 3*5 | 3*5 | 3*5 | 2*6 | 3*4 | 3*5 | 5*5 | 3*5 | 4*4 | 1*6 |
| | Rainfall ... | 2*8 | 1*9 | 0*10 | 1*5 | 0*9 | 1*9 | 2*7 | 3*8 | 1*11 | 1*8 | 2*9 | 1*5 |
| | Sunshine ... | 4*5 | 4*4 | 4*7 | 2*7 | 2*8 | 1*7 | 5*5 | 6*5 | 3*4 | 6*6 | 5*4 | 3*9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6*0 | 8*0 | 8*0 | 10*0 | 11*0 | 11*0 | 6*0 | 9*0 | 9*0 | 8*0 | 9*2 | 11*0 |
| | Rainfall ... | 4*4 | 2*4 | 4*6 | 5*6 | 5*4 | 5*5 | 2*4 | 4*6 | 3*5 | 3*2 | 7*1 | 4*3 |
| | Sunshine ... | 5*4 | 5*6 | 6*3 | 4*1 | 4*3 | 5*2 | 1*4 | 6*3 | 4*6 | 2*5 | 2*6 | 2*4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6*3 | 7*2 | 7*2 | 9*3 | 7*4 | 7*4 | 4*2 | 8*3 | 7*4 | 7*2 | 7*4 | 6*4 |
| | Rainfall ... | 5*2 | 5*4 | 1*7 | 3*9 | 2*8 | 3*5 | 5*4 | 5*6 | 3*5 | 5*5 | 4*6 | 5*7 |
| | Sunshine ... | 3*1 | 2*2 | 1*2 | 3*4 | 2*6 | 4*4 | 2*6 | 2*0 | 3*5 | 1*9 | 1*7 | 2*5 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

(892—19.) Wt. 196—786. 450. 4/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Mean for the Week. Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Accumulated Heat for the Week (in Day degrees). Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr | % | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | *50* | *25th* | *32* | *26th* | *45·6* | *37·7* | *41·5* | — | *10* | *17* | *6* | *0·51* | — | *3·1* | — | *26* | | | 41·1 | | | | *Baltasound.* |
| *a* Islands .. *a* Lerwick | 54 | 47 | 26th | 34 | 24th | 44·0 | 37·7 | 40·8 | + 2·1 | 6 | 16 | 7 | 0·83 | — | 4·4 | + 0·8 | 37 | | | | | | | Deerness. |
| *a* Stornoway | 51 | 50 | 27th | 30 | 25th | 47·7 | 32·0 | 39·6 | - 0·4 | 16 | 37 | 3 | 0·35 | - 0·54 | ? | ? | ? | | | | | | | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *47* | *22, 25-28* | *38* | *26th* | *46·7* | *39·3* | *42·9* | + *1·3* | *18* | *8* | *3* | *0·35* | — | *4·7* | — | *39* | | | | | | | *Castlebay.* |
| *a* Wick | 81 | 46 | 27th | 29 | 27th | 44·1 | 33·7 | 38·8 | - 1·1 | 6 | 30 | 6 | 0·77 | + 0·27 | | | | | | | | | | |
| *p* Strathpeffer | 200 | 50 | 24, 27 | 28 | 25th | 46·7 | 31·7 | 39·0 | 0·3 | 13 | 38 | 2 | 0·18 | - 0·40 | 4·1 | + 1·0 | 34 | | | | | | | Strathpeffer. |
| *b*, Main- *p* Glencarron | 500 | | | | | | | | | | | | | | | | | | | | | | | |
| land. *p* Fort Augustus | 68 | 52 | 24, 27, 28 | 25 | 25, 27 | 49·1 | 29·9 | 39·2 | - 0·6 | 20 | 45 | 1 | 0·05 | - 0·73 | 4·7 | + 2·0 | 39 | | | | | | | Fort Augustus. |
| *p* Fort William | 175 | 52 | 24, 27 | 27 | 27th | 50·1 | 31·3 | 40·4 | - 0·6 | 23 | 41 | 2 | 0·09 | - 1·35 | | | | | | | | | | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | 2·7 | — | 23 | 4 | 22 | 38·7 | +0·2 | 39·3 | +0·6 | Crathes S. |
| *p* Gordon Castle | 101 | 50 | 23, 28 | 29 | 25th | 46·4 | 32·3 | 39·1 | - 1·7 | 12 | 35 | 6 | 0·64 | + 0·14 | *3·2* | — | *27* | | | | | | | *Gordon Castle.* |
| *a* Nairn | 82 | 49 | 23, 27 | 26 | 27th | 47·0 | 29·0 | 37·7 | - 2·2 | 14 | 47 | 3 | 0·08 | - 0·32 | 3·3 | — | 28 | | | | | | | Nairn. |
| *a* Aberdeen | 46 | 51 | 28th | 30 | 27th | 46·7 | 33·4 | 39·9 | - 0·5 | 13 | 32 | 3 | 0·87 | + 0·35 | 4·0 | 0·0 | 33 | | | | | 40·7 | +1·0 | Aberdeen. |
| *a* Balmoral | 930 | 46 | 24th | 24 | 27th | 43·1 | 29·4 | 36·1 | - 0·1 | 3 | 44 | 3 | 0·73 | + 0·11 | | | | 5 | 20 | | | | | Balmoral. |
| *p* Crieff | 440 | 53 | 24th | 29 | 23, 27, 28 | 48·1 | 32·0 | 39·8 | - 0·7 | 17 | 38 | 4 | 0·82 | + 0·17 | 4·9 | — | 41 | | | | | | | Balruddery. |
| *a* Leith | 18 | 51 | 27th | 29 | 28th | 47·9 | 34·6 | 41·1 | - 0·8 | 17 | 29 | 2 | 0·12 | - 0·20 | | | | | | | | | | |
| *p* West Linton | 800 | 48 | 28th | 21 | 28th | 45·4 | 28·1 | 36·5 | - 2·0 | 10 | 49 | 3 | 0·13 | — | *3·5* | — | *29* | 6 | 17 | | | | | *West Linton* |
| *p* Marchmont | 498 | 53 | 24th | 30 | 23rd | 47·9 | 33·8 | 40·7 | + 1·4 | 17 | 31 | 4 | 0·31 | - 0·24 | 3·1 | - 0·5 | 26 | 5 | 21 | 39·4 | +1·1 | | | Marchmont. |
| *a Edinburgh* | *441* | *48* | *24, 27, 28* | *32* | *24, 27* | *45·9* | *34·7* | *40·1* | — | *11* | *27* | *2* | *0·12* | — | 4·8 | — | 40 | 6 | 23 | | | | | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 51 | 26th | 27 | 27th | 48·4 | 31·1 | 39·5 | - 1·4 | 18 | 41 | 3 | 0·44 | - 0·33 | | | | | | | | | | |
| *p* Glasgow | 189 | 50 | 27, 28 | 32 | 27th | 47·6 | 34·7 | 41·0 | + 0·1 | 16 | 28 | 3 | 0·55 | + 0·02 | 3·2 | + 0·3 | 27 | 6 | 23 | | | | | Glasgow. |
| *p* Rothesay | 73 | 50 | 27, 28 | 30 | 25, 28 | 48·6 | 33·1 | 40·6 | - 0·9 | 18 | 34 | 2 | 0·66 | - 0·07 | *4·4* | | *37* | 6 | 26 | 40·1 | | 43·0 | +1·1 | *Rothesay.* |
| *a* Kilmarnock | 90 | 50 | 28th | 27 | 27th | 48·1 | 31·3 | 39·5 | - 1·5 | 17 | 40 | 3 | 0·40 | — | *4·3* | — | *36* | | | | | | | *Kilmarnock.* |
| *a* Colmonell | 150 | 51 | 26, 27 | 26 | 27th | 49·3 | 32·0 | 40·4 | - 1·5 | 20 | 38 | 3 | 0·67 | - 0·06 | | | | 4 | 22 | | | | | |
| *p* Dumfries | 160 | 51 | 27, 28 | 28 | 28th | 47·7 | 33·3 | 40·3 | - 0·8 | 16 | 33 | 4 | 0·83 | + 0·20 | *3·7* | — | *31* | 5 | 21 | 40·1 | | 42·0 | | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 50 | 22, 26, 27 | 27 | 28th | 48·1 | 32·7 | 40·2 | - 0·7 | 17 | 35 | 3 | 0·70 | - 0·15 | | | | | | | | | | |
| *b*. I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 49 | 26th | 34 | 22, 23 | 47·0 | 35·9 | 41·3 | - 0·5 | 14 | 24 | 5 | 0·77 | + 0·13 | 5·2 | + 1·7 | 43 | 4 | 27 | | | | | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 51 | 24, 27 | 29 | 28th | 47·4 | 34·7 | 40·9 | + 0·4 | 15 | 28 | 5 | 0·53 | - 0·02 | 4·2 | — | 35 | 5 | 24 | 39·2 | +0·7 | 41·1 | +1·5 | Cockle Park |
| *a* Shields | 96 | 50 | 24th | 33 | 23rd | 47·0 | 35·4 | 41·0 | + 0·1 | 14 | 25 | 4 | 0·38 | - 0·03 | | | | | | | | | | |
| *p* Durham | 336 | 52 | 24th | 31 | 28th | 47·6 | 33·7 | 40·4 | + 0·2 | 16 | 31 | 5 | 0·27 | - 0·11 | 3·4 | - 0·3 | 28 | 6 | 24 | | | | | Durham. |
| *a*, North .. *p* Rounton | 249 | 53 | 28th | 27 | 28th | 49·1 | 32·1 | 40·4 | + 0·3 | 20 | 38 | 5 | 0·39 | - 0·06 | | | | 7 | 22 | 40·6 | | | | Rounton. |
| *a West Witton* | *605* | *51* | *24, 27* | *27* | *28th* | *47·3* | *32·9* | *39·9* | — | *15* | *34* | *5* | *0·49* | — | | | | 4 | 23 | 39·8 | | 40·9 | | *West Witton.* |
| *p* Scarborough | 100 | 50 | 28th | 24 | 22nd | 48·6 | 38·0 | 43·1 | + 1·6 | 25 | 11 | 2 | 0·05 | - 0·36 | 6·0 | — | 50 | | | | | 44·0† | | Scarborough. |
| *p* York | 56 | 53 | 28th | 31 | 22, 28 | 49·4 | 35·7 | 42·4 | + 0·6 | 29 | 18 | 3 | 0·19 | - 0·18 | 3·9 | + 0·5 | 33 | | | 41·9 | +1·6 | 43·2 | +2·3 | York. |
| | | | | | | | | | | | | | | | *2·9* | — | *24* | 3 | 23 | 40·3 | +0·1 | 43·1 | +2·0 | *Hull.* |
| *a* Spurn Head | 26 | 50 | 28th | 34 | 27th | 48·4 | 36·4 | 42·2 | + 0·8 | 25 | 16 | 1 | 0·01 | - 0·28 | *6·1* | — | *51* | | | | | | | *Spurn Head.* |
| *b*, South .. *a* Lincoln | 58 | 53 | 28th | 30 | 22, 23 | 50·1 | 34·9 | 42·3 | + 0·5 | 32 | 20 | 2 | 0·12 | - 0·23 | | | | | | 40·2 | +0·7 | 43·2 | +2·7 | Lincoln. |
| *a* Fulbeck | 180 | 52 | 28th | 30 | 22nd | 50·0 | 34·1 | 41·8 | 0·0 | 22 | 32 | 6 | 0·42 | + 0·08 | 4·5 | — | 34 | 6 | 20 | 41·7 | +0·1 | 44·0 | +1·7 | Rauceby. |
| | | | | | | | | | | | | | | | 4·3 | — | 36 | | | | | | | Skegness. |
| | | | | | | | | | | | | | | | *6·7* | — | *56* | 4 | 27 | 42·2 | +0·8 | 43 5 | +1·7 | *Lowestoft.* |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Cromer | 196 | 50 | 23, 24 | 33 | 2nd | 48·6 | 36·3 | 42·3 | + 1·4 | 26 | 16 | 2 | 0·12 | — | 6·4 | — | 53 | | | | | | | Cromer. |
| *p* Little Massingham | 280 | 54 | 28th | 30 | 22nd | 49·7 | 33·7 | 41·5 | 0·0 | 22 | 34 | 5 | 0·13 | - 0·27 | 5·9 | + 2·0 | 49 | 6 | 23 | | | | | Lit. Massingham. |
| *a*, North .. *a* Yarmouth | 17 | 54 | 24th | 32 | 22, 23 | 50·0 | 35·0 | 42·3 | + 1·6 | 32 | 20 | 2 | 0·07 | - 0·27 | 6·8 | — | 57 | | | 41·7 | +0·2 | 44·7 | +1·7 | Yarmouth. |
| *a* Norwich | 93 | 57 | 28th | 31 | 22, 28 | 51·9 | 34·0 | 42·7 | + 1·4 | 39 | 22 | 4 | 0·09 | — | *6·1* | — | *51* | 7 | 23 | 40·5 | | | | *Norwich.* |
| *p* Geldeston | 37 | 56 | 28th | 31 | 22, 28 | 51·4 | 35·1 | 43·0 | + 1·5 | 36 | 19 | 4 | 0·16 | - 0·18 | 6·0 | + 1·8 | 50 | | | | | | | Geldeston. |
| *p* Cambridge | 41 | 53 | 24th | 26 | 28th | 51·0 | 31·7 | 41·1 | - 0·9 | 25 | 41 | 5 | 0·22 | - 0·03 | 5·1 | + 1·0 | 43 | 4 | 21 | 41·9 | +0·2 | 44·1 | +1·3 | Cambridge. |
| *a Felixstowe* | *10* | *51* | *22nd* | *31* | *22nd* | *49·0* | *35·6* | *42·1* | + *0·3* | *28* | *18* | *5* | *0·60* | — | *7·1* | — | *59* | | | | | | | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 50 | 24th | 32 | 22nd | 48·7 | 34·9 | 41·6 | + 0·3 | 19 | 28 | 3 | 0·77 | — | 6·3 | — | 53 | 4 | 25 | 43·4 | +1·3 | 45·1 | +1·2 | Clacton. |
| *b*, South .. *a* Rothamsted | 424 | 52 | 28th | 25 | 28th | 49·7 | 31·9 | 40·5 | - 0·6 | 22 | 39 | 6 | 0·45 | + 0·04 | 4·1 | + 0·2 | 34 | | | | | | | Rothamsted. |
| *a Shoeburyness* | *13* | *52* | *24th* | *34* | *22, 28* | *48·9* | *36·4* | *42·5* | - *0·4* | *27* | *16* | *5* | *1·25* | + *1·00* | *4·8* | — | *40* | 3 | 28 | 43·0 | +1·1 | | | *Southend.* |
| *p* Tottenham | 51 | 52 | 25th | 26 | 28th | 49·4 | 35·1 | 42·0 | - 0·2 | 21 | 19 | 4 | 0·45 | — | 2·7 | — | 23 | 3 | 26 | | | 45·1 | +2·2 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | *2·4* | — | *20* | 3 | 24 | 40·3 | +1·5 | 42·4 | +2·5 | *Huddersfield.* |
| *a* Harrogate | 476 | 49 | 22, 27, 28 | 29 | 22nd | 47·3 | 33·0 | 39·9 | - 0·2 | 15 | 33 | 5 | 0·50 | + 0·03 | 4·2 | — | 35 | 5 | 21 | 40·3 | +0·9 | 41·7 | +1·6 | Harrogate. |
| *a* Bawtry | 65 | 53 | 24, 28 | 27 | 28th | 50·0 | 33·9 | 41·7 | - 0·1 | 22 | 32 | 2 | 0·19 | - 0·14 | 3·0 | - 0·4 | 25 | 5 | 21 | 41·3 | | 42·9 | | Worksop. |
| *p Buxton* | *987* | *48* | *28th* | *26* | *28th* | *45·7* | *31·7* | *38·5* | + *0·1* | *10* | *37* | *4* | *0·69* | - *0·21* | *3·0* | — | *25* | 5 | 21 | 40·2 | +1·8 | 42·7 | +2·3 | *Buxton.* |
| *a*, East .. *a* Nottingham | 82 | 53 | 28th | 27 | 28th | 50·0 | 32·6 | 41·0 | - 0·6 | 22 | 36 | 3 | 0·19 | - 0·16 | 2·8 | — | 23 | 4 | 24 | 40·1 | +0·5 | 41·9 | +2·2 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 51 | 28th | 33 | 22, 25 | 47·4 | 34·7 | 40·9 | - 0·3 | 15 | 28 | 7 | 0·41 | + 0·01 | 2·2 | — | 18 | ?4 | 19 | 40·5 | +0·2 | 44·4 | +1·7 | Birmingham. |
| *a* Raunds | 204 | 55 | 25th | 24 | 28th | 52·0 | 31·3 | 41·3 | + 0·2 | 28 | 42 | 3 | 0·10 | — | *4·9* | — | *41* | 5 | 17 | 42·1 | | 44·9 | | *Raunds.* |
| *p* Oxford | 208 | 53 | 28th | 30 | 28th | 49·9 | 34·3 | 41·9 | - 0·4 | 22 | 31 | 6 | 0·35 | + 0·04 | 3·2 | - 0·7 | 27 | 6 | 22 | | | | | Oxford. |
| | | | | | | | | | | | | | | | 2·7 | — | 23 | 3 | 24 | 40·7 | +1·5 | 42·9 | +2·6 | Sheffield. |
| *a* Cheadle | 646 | 50 | 28th | 30 | 22, 26 | 46·7 | 32·4 | 39·3 | - 0·9 | 13 | 35 | 4 | 0·62 | + 0·12 | | | | 4 | 23 | | | | | Cheadle. |
| *p* Shrewsbury | 191 | 53 | 28th | 26 | 28th | 50·7 | 32·7 | 41·4 | - 1·2 | 24 | 37 | 5 | 0·59 | — | | | | 1 | 29 | | | | | Shrewsbury. |
| *b*, West .. *p* Hereford§ | 291 | 52 | 22, 28 | 28 | 28th | 49·4 | 32·7 | 40·8 | - 1·6 | 21 | 36 | 5 | 0·32 | - 0·07 | *2·8* | — | *23* | 5 | 23 | 40·2 | | 43·5 | | *Malvern.*§ |
| *a* Cirencester | 446 | 51 | 27th | 29 | 22nd | 48·4 | 34·2 | 41·1 | + 0·3 | 18 | 30 | 6 | 0·61 | + 0·19 | 2·3 | — | 19 | 4 | 28 | 41·5 | | 44·0 | | Cirencester. |
| *a* Bath | 66 | 53 | 28th | 28 | 22, 25 | 50·4 | 31·4 | 40·6 | - 1·9 | 28‖ | 4‖ | 4 | 0·39 | - 0·08 | 2·6 | — | 24 | | | | | | | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | 3 | 26 | 42·8 | +1·5 | 46·0 | +2·5 | Canterbury. |
| *p* Kew | 18 | 53 | 28th | 28 | 28th | 49·6 | 33·9 | 41·5 | - 1·0 | 21 | 32 | 6 | 0·35 | - 0·01 | 3·0 | - 0·6 | 25 | 6 | 22 | 41·5 | -0·1 | 44·9 | +1·6 | Kew. |
| *a* Marlborough | 424 | | | | | | | | | | | | | | | — | | | | | | | | Marlborough. |
| *a* Margate | 35 | 53 | 28th | 31 | 22nd | 50·1 | 35·7 | 42·7 | + 0·7 | 31 | 18 | 5 | 1·06 | + 0·73 | 6·1 | + 2·0 | 51 | 4 | 23 | 43·5 | +1·9 | 45·8 | +3·6 | Margate. |
| *a* Wisley, Surrey | 150 | 53 | 28th | 27 | 28th | 49·9 | 32·9 | 41·2 | - 1·7 | 22 | 36 | 4 | 0·39 | — | 3·4 | — | 28 | 6 | 18 | 41·2 | -0·3 | 43·6 | +0·8 | Wisley. |
| | | | | | | | | | | | | | | | 3·5 | — | 29 | 4 | 26 | 42·3 | -0·1 | 45·3 | +1·6 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 51 | 22, 27 | 27 | 22nd | 50·0 | 30·9 | 40·2 | - 2·3 | 22 | 43 | 7 | 0·60 | + 0·11 | | | | 6 | 22 | 41·6 | | | | Salisbury. |
| *a* Tunbridge Wells | 418 | | | | | | | | | | | | | | | | | | | | | | | Tunbridge Wells. |
| *a* Dungeness | 21 | 50 | 25th | 31 | 23rd | 48·7 | 35·0 | 41·7 | - 0·2 | 19 | 28 | 3 | 0·95 | + 0·59 | 5·1 | — | 43 | | | | | | | Littlestone. |
| *p* Hastings | 178 | 51 | 24th | 33 | 22nd | 49·1 | 36·6 | 42·7 | 0·0 | 28 | 15 | 6 | 1·23 | + 0·77 | *4·8* | + *0·2* | *40* | 4 | 23 | 43·1 | | 44·9 | | *Hastings.* |
| *p* Southampton | 65 | 52 | 22nd | 29 | 25th | 50·1 | 33·9 | 41·8 | - 2·6 | 23 | 33 | 5 | 0·57 | + 0·10 | 3·2 | - 1·1 | 27 | 4 | 23 | | | | | Southampton. |
| *a* Ventnor | 80 | 52 | 27th | 35 | 22nd | 50·0 | 38·3 | 44·0 | - 0·2 | 30 | 10 | 6 | 0·63 | + 0·21 | 3·8 | - 0·9 | 32 | | | | | | | Ventnor. |
| | | | | | | | | | | | | | | | *3·7* | — | *31* | 6 | 20 | 43·6 | +0·3 | 46·6 | +1·7 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 4·0 | - 0·5 | 33 | | | 43·7 | | 46·0 | | Eastbourne. |
| | | | | | | | | | | | | | | | *3·3* | — | *28* | | | 41·9 | | 44·1 | | *Bournemouth.* |
| | | | | | | | | | | | | | | | *3·7* | - *0·8* | *31* | | | | | 44·0 | | *Brighton.* |
| LONDON. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a Westminster* | *27* | *53* | *26, 28* | *29* | *22, 28* | *50·7* | *34·3* | *42·3* | - *0·5* | *35* | *22* | *5* | *0·29* | - *0·09* | *2·6* | + *0·2* | *22* | 2 | 28 | | | | | *Westminster.* |
| *a Greenwich* | *155* | *57* | *28th* | *28* | *28th* | *52·0* | *33·9* | *42·7* | - *0·7* | *39* | *23* | *6* | *0·32* | - *0·05* | *3·9* | + *0·5* | *33* | 6 | 18 | | | | | *Greenwich.* |
| *a Hampstead* | *450* | *51* | *28th* | *31* | *22, 28* | *49·0* | *34·0* | *41·3* | — | *30* | *32* | *4* | *0·41* | — | *3·3* | — | *28* | | | | | | | *Hampstead.* |
| *a Camden Square* | *110* | *54* | *26, 28* | *28* | *22nd* | *52·1* | *33·7* | *42·6* | — | *39* | *23* | *4* | *0·42* | — | *2·9* | — | *24* | 6 | 22 | | | | | *Camden Square.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | *2·6* | — | *22* | 4 | 17 | 39·8 | +1·2 | 42·5 | +2·4 | *Burnley.* |
| *p* Aspatria | 250 | 52 | 28th | 31 | 27, 28 | 47·3 | 33·6 | 40·3 | - 0·1 | 15 | 32 | 4 | 0·24 | - 0·42 | 4·3 | — | 36 | | | | | | | Hoylake. |
| *p* Newton Rigg | 559 | 51 | 28th | 26 | 28th | 47·9 | 32·1 | 39·8 | + 0·3 | 17 | 37 | 6 | 0·41 | - 0·14 | 4·1 | — | 34 | 5 | 25 | 41·6 | | 43·9 | | Aspatria |
| *p* Stonyhurst | 375 | 50 | 28th | 29 | 28th | 47·1 | 34·4 | 40·6 | 0·0 | 14 | 29 | 6 | 0·69 | - 0·08 | 4·0 | + 0·3 | 33 | 6 | 17 | 40·3 | +0·3 | 41·4 | +1·3 | Newton Rigg. |
| *p* Blackpool | 66 | 49 | 22, 26-28 | 29 | 28th | 48·4 | 36·3 | 42·2 | + 0·7 | 25 | 16 | 4 | 0·63 | + 0·13 | 2·9 | - 0·7 | 24 | 4 | 19 | | | | | Stonyhurst. |
| *p* Manchester (Whit. Pk.) | 125 | 52 | 28th | 31 | 22, 28 | 49·3 | 36·3 | 42·6 | + 0·6 | 28 | 16 | 4 | 0·58 | + 0·12 | 4·4 | + 0·7 | 37 | 2 | 19 | 42·9 | | 45·0 | | Blackpool. |
| *a* Liverpool (Bidston) | 188 | 51 | 28th | 32 | 28th | 47·6 | 36·3 | 41·8 | - 1·3 | 16 | 23 | 3 | 0·58 | + 0·12 | *2·3* | - *0·1* | *19* | | | | | | | *Whit. Park.* |
| *a Hawarden Bridge* | *22* | *51* | *25th* | *31* | *28th* | *48·3* | *37·0* | *42·5* | - *0·4* | *25* | *14* | *4* | *0·21* | - *0·13* | *3·9* | — | *33* | | | | | | | *Liverpool.* |
| | | | | | | | | | | | | | | | *4·0* | + *0·2* | *33* | 5 | 22 | 42·2 | +1·1 | 43·9 | +2·3 | *Southport.* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | *2·2* | — | *18* | 2 | 27 | 40·7 | +1·0 | 44·7 | +2·8 | *Manchester (City).* |
| *p* Llandudno | 71 | 51 | 25th | 33 | 28th | 49·0 | 38·7 | 43·7 | + 0·7 | 26 | 9 | 1 | 0·06 | - 0·42 | 4·3 | + 0·5 | 36 | | | | | | | Llandudno. |
| *a* Holyhead | 57 | 51 | 26, 28 | 27 | 25th | 48·9 | 37·4 | 43·0 | + 0·1 | 26 | 13 | 2 | 0·31 | - 0·26 | *4·8* | — | *40* | | | | | | | *Holyhead.* |
| | | | | | | | | | | | | | | | 4·1 | — | 34 | | | | | | | Aberdovey. |

* For note see also opposite page. † At 3 feet. ‖ Hoar frost. § The temperature on the grass refers to Hereford.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average. | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 4·1 | — | 34 | | | | | | | Aberystwyth. |
| *a* Llangammarch Wells | 550 | 51 | 27, 28 | 25 | 28th | 47·6 | 30·1 | 38·8 | − 2·0 | 16 | 44 | 5 | 0·70 | — | 2·9 | — | 24 | 5 | 19 | 40·3 | −0·7 | 45·5 | +2·5 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 50 | 26th | 32 | 25th | 47·3 | 38·7 | 42·9 | 0·0 | 20 | 9 | 5 | 1·26 | + 0·78 | 4·3 | − 0·1 | 36 | | | | | | | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 51 | 26, 27 | 30 | 22nd | 49·7 | 34·3 | 41·8 | − 1·5 | 22 | 31 | 6 | 0·91 | + 0·24 | *3·2* | — | *27* | 6 | 26 | 42·4 | +1·4 | 45·1 | +2·6 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 53 | 27th | 33 | 22nd | 50·3 | 36·9 | 43·4 | + 0·7 | 31 | 14 | 5 | 0·55 | + 0·02 | *3·0* | — | *35* | 2 | 29 | | | | | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 50 | 27th | 32 | 25th | 47·3 | 34·9 | 40·9 | − 0·2 | 15 | 27 | 5 | 0·58 | + 0·07 | | | | | | 41·2 | | 44·2 | | Shaftesbury. |
| *a* Arlington .. .. | 613 | 50 | 27th | 29 | 22nd | 46·6 | 33·6 | 39·9 | − 1·5 | 13 | 31 | 6 | 0·86 | + 0·03 | | | | | | | | | | Arlington. |
| *a Newquay* .. .. | *190* | *51* | *23, 28* | *35* | *25th* | *49·6* | *40·1* | *44·7* | *+ 0·2* | *27* | *5* | *6* | *0·89* | *+ 0·39* | 4·3 | − 0·2 | 36 | 3 | 25 | 45·8 | | 47·2 | | Newquay. |
| *a* Cullompton .. .. | 202 | 54 | 27th | 27 | 28th | 50·3 | 32·3 | 41·0 | − 2·0 | 23 | 38 | 7 | 1·19 | + 0·64 | 3·8 | − 0·3 | 32 | 7 | 21 | 43·6 | | | | Cullompton. |
| *a* Portland .. .. | 19 | 52 | 22, 27 | 39 | 22nd | 49·1 | 41·1 | 45·0 | + 1·6 | 25 | 3 | 4 | 0·95 | — | *3·7* | — | *31* | | | | | | | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 53 | 27th | 32 | 25th | 51·0 | 37·3 | 44·0 | − 0·1 | 34 | 13 | 5 | 1·20 | + 0·61 | 4·6 | + 0·2 | 38 | 1 | 27 | 44·6 | +0·4 | | | Plymouth. |
| *a* Falmouth .. .. | 167 | 54 | 27th | 35 | 22, 23 | 51·0 | 38·3 | 44·5 | + 0·1 | 33 | 10 | 6 | 1·91 | + 1·22 | 4·8 | + 0·2 | 40 | 2 | 28 | 46·9 | | 48·4 | | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Malin Head .. .. | 208 | 50 | 24th | 34 | 25, 26 | 47·1 | 36·7 | 41·8 | − 0·1 | 14 | 21 | 4 | 0·30 | − 0·20 | | | | | | | | | | |
| *a*, West .. { *a* Blacksod Point .. | 37 | 50 | 26-28 | 34 | 27th | 48·6 | 36·7 | 42·5 | − 1·3 | 26 | 15 | 6 | 0·64 | − 0·19 | | | | | | | | | | |
| { *p* Markree Castle .. | 122 | 53 | 27th | 27 | 27th | 50·0 | 30·0 | 39·7 | − 2·1 | 22 | 46 | 3 | 0·51 | − 0·19 | 3·9 | + 0·3 | 33 | 7 | 22 | 42·9 | | 44·5 | | Markree Castle. |
| { *a* Birr Castle .. .. | 175 | 54 | 27th | 29 | 22, 23 | 48·9 | 30·6 | 39·5 | − 2·3 | 19 | 43 | 6 | 0·75 | + 0·23 | *3·6* | *− 0·2* | *30* | | | | | | | *Birr Castle.* |
| *b*, East .. { *p* Armagh .. .. | 196 | 51 | 23rd | 28 | 25, 27 | 49·4 | 32·0 | 40·4 | − 1·5 | 21 | 38 | 4 | 0·48 | − 0·02 | 4·0 | + 0·5 | 33 | 5 | 23 | 41·2 | −1·1 | 43·8 | +0·5 | Armagh. |
| { *a* Donaghadee .. .. | 40 | 50 | 23rd | 30 | 26th | 47·7 | 34·3 | 40·8 | − 1·7 | 16 | 39 | 4 | 0·73 | + 0·25 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 6 | 21 | 43·1 | −0·1 | 45·1 | +0·4 | Trinity Coll. |
| | | | | | | | | | | | | | | | 3·4 | − 0·8 | 28 | 6 | 19 | | | | | Phœnix Park. |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | | | | 1 | 29 | | | | | Dublin City. |
| { *p* Dublin, City .. .. | 47 | 53 | 23rd | 32 | 25th | 49·0 | 35·7 | 42·2 | − 1·7 | 28 | 18 | 5 | 0·43 | 0·00 | | | | | | | | | | |
| *a*, East .. { *a* Kilkenny .. .. | 195 | 53 | 27th | 26 | 25th | 50·1 | 32·4 | 41·0 | − 1·7 | 23 | 38 | 7 | 1·34 | + 0·86 | | | | | | | | | | |
| { *a* Waterford .. .. | 100 | 53 | 27th | 29 | 25th | 48·7 | 34·4 | 41·8 | − 1·6 | 22 | 30 | 6 | 1·45 | + 0·86 | | | | | | | | | | |
| { *a Carrick-on-Suir* .. | *541* | *53* | *27th* | *32* | *22, 25, 26* | *49·1* | *34·6* | *41·6* | — | *20* | *29* | 7 | *2·22* | — | *4·1* | — | *34* | 4 | 24 | | | | | *Carrick-on-Suir.* |
| { *a* Birr Castle .. .. | 175 | 54 | 27th | 29 | 22, 23 | 48·9 | 30·6 | 39·5 | − 2·3 | 19 | 43 | 6 | 0·75 | + 0·23 | 3·6 | − 0·2 | 30 | | | | | | | Birr Castle. |
| { *a* Foynes .. .. .. | 50 | 53 | 27th | 33 | 25th | 50·0 | 37·6 | 43·3 | − 0·6 | 30 | 14 | 6 | 0·93 | + 0·32 | | | | | | | | | | |
| *b*, West .. { *a* Cahir .. .. .. | 198 | 53 | 28th | 29 | 22, 25 | 51·0 | 34·0 | 42·3 | − 0·7 | 36 | 22 | 7 | 1·20 | — | | | | | | | | | | |
| { *a* Killarney .. .. | 174 | 57 | 27th | 34 | 22, 25 | 51·8 | 37·8 | 44·6 | + 0·1 | 36 | 12 | 7 | 1·98 | + 0·98 | | | | | | | | | | |
| { *a* Valencia .. .. | 30 | 52 | 28th | 34 | 22nd | 49·6 | 39·4 | 44·4 | − 0·7 | 28 | 7 | 7 | 2·68 | + 1·69 | 3·9 | − 0·3 | 33 | | | | | | | Valencia. |
| { *a* Roche's Point .. .. | 32 | 52 | 27th | 35 | 24th | 49·4 | 38·3 | 43·7 | − 0·8 | 27 | 10 | 7 | 1·96 | + 1·32 | 4·4 | | 37 | | | | | | | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 54 | 27th | 39 | 22nd | 50·7 | 41·0 | 45·7 | − 0·2 | 30 | 3 | 7 | 1·50 | + 0·99 | 4·2 | − 0·5 | 35 | | | | | | | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 54 | 27th | 38 | 28th | 51·6 | 41·4 | 46·4 | + 1·3 | 33 | 2 | 6 | 1·91 | + 1·40 | 3·6 | − 1·4 | 30 | | | | | | | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 53 | 27th | 39 | 22nd | 50·7 | 41·3 | 45·9 | + 0·7 | 30 | 2 | 6 | 1·65 | + 1·11 | 3·8 | − 1·1 | 32 | 0 | 36 | 45·9 | +0·8 | 46·8 | +1·2 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 3·9 hrs. 33 °/₀; Ramsgate, 6·1 hrs. 51 °/₀; Rhyl, 4·9 hrs. 41 °/₀; Salcombe, 5·2 hrs. 43 °/₀; Tenby, 4·3 hrs. (−0·4) 36 °/₀; Torquay, 4·4 hrs. (−0·3) 37 °/₀.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Mar. 28th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 44 | 43 | 43·3 | +1·0 |
| Kirkwall .. .. | 45 | 43 | 44·0 | +2·6 |
| Wick .. .. .. | 44 | 43 | 43·5 | +0·3 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 43 | 38 | 41·7 | +1·5 |
| Pennan Bay .. .. | 44 | 42 | 42·8 | +1·9 |
| Aberdeen, Cove Bay | 42 | 41 | 41·7 | +0·3 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 45 | 44 | 44·8 | +1·1 |
| Ballantrae .. .. | 46 | 43 | 44·6 | +1·1 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 40 | 37 | 38·0 | −2·0 |
| Scarborough .. .. | 45 | 42 | 43·9 | +3·0 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 45 | 43 | 44·3 | +3·5 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 46 | 45 | 45·3 | +2·5 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 46 | 45 | 45·5 | +1·5 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 49 | 49 | 49·0 | +2·0 |
| Scilly .. .. .. | 50 | 49 | 49·1 | — |
| Plymouth‡ .. .. | 48 | 48 | 48·0 | +1·4 |
| Salcombe .. .. | 49 | 47 | 48·2 | +2·7 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 46 | 44 | 45·3 | +0·2 |
| Teelin .. .. .. | 46 | 40 | 45·2 | −0·2 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 46 | 43 | 45·0 | −0·3 |
| Seafield .. .. | 50 | 42 | 44·8 | −2·3 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, Mar. 28th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Aberdeen .. .. | 105 | — | — | 22nd | 2 | 59 | 107 | NWbyW. 12 | 22nd 13h. | 17 22nd 12.50 |
| Rosyth .. .. | 73 | — | — | — | — | 28 | 140 | E. 8 | 28th 16h. | 13 22nd 13.50 |
| **6** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | — | — | 34 | 134 | NE.by N. 8 | 28th 16h. | 16 22nd 14.35 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 14 | 154 | NW. 7 | 22nd 16h. | 14 22nd 13.30 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 4 | 164 | SSE. 7 | 28th 23h. | 12 22nd 12.55 |
| South Shields .. | 61 | — | — | — | — | 36 | 132 | SSE. 9 | 28th 22h. | 13 28th 9.55 |
| Spurn Head .. | 40 | — | — | — | — | 44 | 124 | S. by W. 8 | 23rd 20h. | 14 22nd 16.10 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 23rd | 8 | 53 | 107 | — 14 | 23rd 22h. | 19 23rd 21.55 |
| Shoeburyness .. | 90 | — | — | 23rd | 3 | 28 | 137 | — 12 | 23rd 19h. | 16 23rd 19.35 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 23rd | 5 | 38 | 125 | — 13 | 23rd 17h. | 18 23rd 17.5 |
| Warlingham .. | 33 | — | — | — | — | 14 | 154 | — 9 | 23rd 15h. | 18 23rd 15.10 |
| Brighton .. .. | 53 | — | — | — | — | 24 | 144 | — 11 | 23rd 17h. | 17 23rd 18.20 |
| Kew .. .. .. | 40 | — | — | — | — | 9 | 159 | — 6 | 23rd 17h. | 13 23rd 16.55 |
| South Kensington | 92 | — | — | — | — | 2 | 166 | SW. 6 | 23rd 15h. | 11 23rd 17.25 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Southport .. .. | 62 | — | — | — | — | 53 | 112 | W. 11 | 22nd 15h. | 15 22nd 15.10 |
| Holyhead .. .. | 40 | — | — | 28th | 1 | 55 | 112 | SSE. 11 | 28th 23h. | 16 28th 22.35 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | 28th | 1 | 23 to 26, 28 | 43 | 80 | 44 | S. 17 | 28th 24h. | 21 28th 22.30 |
| Plymouth .. .. | 86 | — | — | 23 to 25, 28 | 16 | 55 | 97 | — 14 | 28th 24h. | 19 28th 24.25 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 28th | 6§ | 50§ | 95§ | — 16 | 28th 11h. | 22 28th 10.30 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — | — — — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | 25 to 27 | 27 | 24 to 28 | 17 | 62 | 42 | WNW. 23 | 26th 4h. | 30 26th 3.35 |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

## [Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**TWELFTH WEEK**—March 22nd to March 28th, 1914

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| **0.** SCOTLAND, NORTH ... | 52 | 25 | 47·0 | 32·7 | 39·6 | − 0·4 | 14 | 0 | 34 | + 6 | 4 | − 2 | 0·38 | −0·65 | 4·4 | +1·1 | 37 | 998 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 53 | 21 | 46·6 | 31·6 | 38·9 | − 1·3 | 13 | − 7 | 38 | + 7 | 4 | 0 | 0·46 | −0·06 | 3·8 | −0·1 | 32 | 997 |
| **2.** ENGLAND, N.E. ... .. | 53 | 27 | 48·6 | 35·0 | 41·6 | + 0·3 | 18 | − 4 | 28 | + 3 | 4 | 0 | 0·26 | −0·11 | 4·4 | +0·1 | 37 | 997 |
| **3.** ENGLAND, EAST ... | 57 | 25 | 50·0 | 34·2 | 41·9 | + 0·1 | 22 | − 6 | 32 | + 5 | 4 | 0 | 0·27 | −0·10 | 5·4 | +1·1 | 45 | 998 |
| **4.** MIDLAND COUNTIES ... | 55 | 24 | 49·3 | 33·0 | 40·9 | − 0·9 | 20 | − 8 | 35 | + 8 | 5 | + 2 | 0·39 | +0·02 | 2·9 | −1·0 | 24 | 998 |
| **5.** ENGLAND, S.E. ... ... | 53 | 27 | 49·7 | 34·7 | 42·0 | − 0·9 | 22 | − 6 | 20 | 0 | 5 | + 2 | 0·72 | +0·32 | 4·0 | −0·3 | 33 | 999 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 51 | 26 | 48·1 | 33·0 | 40·4 | − 1·1 | 17 | − 3 | 35 | +13 | 3 | − 2 | 0·63 | −0·17 | 4·2 | +0·3 | 35 | 998 |
| **7.** ENGLAND, N.W. ... ... | 52 | 26 | 48·2 | 35·6 | 41·8 | − 0·1 | 17 | − 4 | 26 | + 6 | 4 | + 1 | 0·41 | −0·12 | 4·0 | +0·2 | 33 | 998 |
| **8.** ENGLAND, S.W. ... ... | 54 | 25 | 49·0 | 35·8 | 42·2 | − 1·1 | 27 | 0 | 17 | + 1 | 5 | + 2 | 1·01 | +0·43 | 4·1 | −0·3 | 34 | 998 |
| **9.** IRELAND, NORTH ... | 54 | 27 | 48·6 | 33·4 | 40·8 | − 1·6 | 18 | − 5 | 33 | +14 | 5 | + 1 | 0·57 | −0·05 | 4·0 | +0·3 | 33 | 996 |
| **10.** IRELAND, SOUTH ... | 57 | 26 | 49·9 | 35·5 | 42·5 | − 1·4 | 31 | + 1 | 18 | + 3 | 6 | + 2 | 1·41 | +0·75 | 3·8 | −0·4 | 32 | 996 |
| **11.** ENGLISH CHANNEL ... | 54 | 38 | 51·0 | 41·2 | 46·0 | + 0·1 | 31 | − 1 | 2 | − 4 | 6 | + 2 | 1·69 | +1·22 | 3·9 | −1·3 | 32 | 999 |

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 4 Weeks, March 1st to March 28th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 52 | 22 | * | * | * | * | 29 | − 7 | 122 | − 8 | 23 | + 2 | 3·73 | −0·30 | 3·4 | +0·6 | 31 | 996 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 53 | 16 | * | * | * | * | 33 | − 19 | 142 | − 2 | 20 | + 4 | 3·00 | +0·90 | 3·4 | +0·1 | 31 | 996 |
| **2.** ENGLAND, N.E. ... ... | 54 | 25 | * | * | * | * | 67 | + 2 | 92 | − 24 | 19 | + 4 | 1·81 | +0·25 | 3·3 | −0·4 | 29 | 998 |
| **3.** ENGLAND, EAST ... | 58 | 25 | * | * | * | * | 92 | + 10 | 79 | − 47 | 21 | + 6 | 3·48 | +2·09 | 3·4 | −0·3 | 30 | 1001 |
| **4.** MIDLAND COUNTIES ... | 57 | 24 | * | * | * | * | 81 | − 3 | 97 | − 28 | 21 | + 8 | 2·69 | +1·11 | 2·7 | −0·6 | 24 | 1001 |
| **5.** ENGLAND, S.E. ... ... | 59 | 27 | * | * | * | * | 98 | + 12 | 47 | − 50 | 23 | +10 | 4·69 | +2·98 | 3·3 | −0·3 | 29 | 1002 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 53 | 25 | * | * | * | * | 48 | − 8 | 105 | − 1 | 22 | + 5 | 4·50 | +1·27 | 3·5 | +0·3 | 32 | 998 |
| **7.** ENGLAND, N.W. ... ... | 55 | 25 | * | * | * | * | 61 | − 2 | 76 | − 21 | 22 | + 8 | 3·29 | +1·14 | 3·3 | 0·0 | 29 | 1000 |
| **8.** ENGLAND, S.W. ... ... | 57 | 24 | * | * | * | * | 94 | + 6 | 45 | − 35 | 25 | +11 | 6·00 | +3·48 | 3·3 | −0·4 | 29 | 1003 |
| **9.** IRELAND, NORTH ... | 55 | 26 | * | * | * | * | 67 | − 9 | 97 | + 8 | 25 | + 7 | 3·99 | +1·55 | 3·1 | 0·0 | 28 | 998 |
| **10.** IRELAND, SOUTH ... | 58 | 26 | * | * | * | * | 105 | + 4 | 58 | − 11 | 25 | + 9 | 4·37 | +1·65 | 3·5 | −0·1 | 31 | 1002 |
| **11.** ENGLISH CHANNEL ... | 55 | 35 | * | * | * | * | 130 | + 21 | 6 | − 25 | 26 | +10 | 5·32 | +3·19 | 3·4 | −1·1 | 30 | 1005 |

THE YEAR.—Aggregates, &c., for the Period of 12 Weeks, January 4th, 1914, to March 28th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 56 | 16 | * | * | * | * | 105 | + 15 | 352 | − 72 | 63 | + 1 | 15·24 | +1·16 | 2·0 | +0·2 | 22 | 1001 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 58 | 15 | * | * | * | * | 120 | + 7 | 413 | − 67 | 54 | + 7 | 7·98 | +1·40 | 2·2 | −0·1 | 25 | 1003 |
| **2.** ENGLAND, N.E. ... ... | 59 | 24 | * | * | * | * | 214 | + 79 | 265 | −119 | 51 | + 7 | 4·50 | −0·10 | 2·3 | −0·2 | 25 | 1006 |
| **3.** ENGLAND, EAST ... | 58 | 19 | * | * | * | * | 231 | + 72 | 270 | −158 | 48 | + 4 | 6·61 | +2·20 | 2·6 | 0·0 | 27 | 1009 |
| **4.** MIDLAND COUNTIES ... | 61 | 15 | * | * | * | * | 231 | + 57 | 321 | −104 | 49 | + 7 | 5·65 | +0·31 | 2·0 | −0·3 | 20 | 1009 |
| **5.** ENGLAND, S.E. ... ... | 59 | 10 | * | * | * | * | 252 | + 63 | 228 | − 99 | 51 | +10 | 9·27 | +3·57 | 2·6 | 0·0 | 27 | 1011 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 55 | 18 | * | * | * | * | 159 | + 23 | 288 | − 50 | 62 | + 9 | 13·56 | +2·30 | 1·8 | −0·3 | 20 | 1004 |
| **7.** ENGLAND, N.W. ... ... | 58 | 22 | * | * | * | * | 222 | + 76 | 213 | −106 | 54 | + 7 | 8·87 | +1·60 | 2·1 | −0·1 | 23 | 1007 |
| **8.** ENGLAND, S.W. ... ... | 58 | 19 | * | * | * | * | 266 | + 44 | 186 | − 69 | 59 | +12 | 12·46 | +3·64 | 2·2 | −0·4 | 23 | 1009 |
| **9.** IRELAND, NORTH ... | 57 | 25 | * | * | * | * | 221 | + 35 | 231 | − 50 | 65 | +10 | 11·51 | +3·19 | 1·8 | −0·4 | 19 | 1003 |
| **10.** IRELAND, SOUTH ... | 59 | 24 | * | * | * | * | 298 | + 32 | 166 | − 49 | 67 | +17 | 13·09 | +3·56 | 2·3 | −0·3 | 24 | 1006 |
| **11.** ENGLISH CHANNEL ... | 55 | 25 | * | * | * | * | 333 | + 28 | 72 | − 29 | 60 | + 7 | 10·69 | +3·26 | 2·8 | −0·4 | 28 | 1011 |

M.O., March 31, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 13. THIRTEENTH WEEK, SUNDAY, MARCH 29TH, TO SATURDAY, APRIL 4TH, 1914.

*Price 6d.*
*Annual Subscription Post Paid* £1 10s. 0d.

## I.—Remarks on Wind and Weather.

At the beginning of the week a band of high pressure extended from beyond Iceland to Northern Italy, while the centre of a large and deep depression lay on the Atlantic some distance to the westward of Ireland, the wind over the United Kingdom blowing from the Southward or South-Eastward. As the Atlantic depression moved northward and came nearer these Isiands the wind became more Southerly, with some increase of warmth, and on Tuesday and Wednesday, when the core of the system moved to Norway and Sweden, the weather became exceptionally warm for the time of year. Later in the week, when other depressions appeared to the westward and northward of this country, the wind direction became more variable, and temperature decreased, although it remained higher than at the beginning of the week. Gales occurred locally on the south coast of Ireland and the north-east coast of Scotland on Sunday, in a few exposed spots in the west and north-west on Monday, and on the north-east coast of Scotland on Tuesday. Generally the wind was moderate in force. The mild air of April 1st and 2nd was attended by a good deal of fog or mist on the south-west and south coasts. Thunder was experienced in the extreme south-west of England on March 29th, at Birr Castle on April 1st, in the north-east of Scotland on the 2nd, and at Norwich on the 3rd. At Fort William 1·09 in. of rain was measured on March 30th.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | 0. Scotland, N. | 1. Scotland, E. | 2. England, N.E. | 3. England, E. | 4. Midland Counties. | 5. England, S.E. | 6. Scotland, W. | 7. England, N.W. | 8. England, S.W. | 9. Ireland, N. | 10. Ireland, S. | 11. English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Unusual | Unusual | Very unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Very unusual | Very unusual | Unusual |
| | Rainfall ... | Heavy | Heavy | Moderate | Moderate | Moderate | Moderate | Heavy | Moderate | Heavy | Heavy | Heavy | Heavy |
| | Sunshine ... | Moderate | Moderate | Moderate | Scanty | Scanty | Moderate | Moderate | Moderate | Moderate | Abundant | Moderate | Moderate |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 5 weeks from March 1st, 1914. | Warmth ... | 1·0 | 1·0 | 2·0 | 3·1 | 2·0 | 3·0 | 2·1 | 2·0 | 3·0 | 2·2 | 2·1 | 3·0 |
| | Rainfall ... | 2·1 | 4·0 | 2·1 | 3·0 | 2·0 | 3·0 | 4·0 | 3·0 | 5·0 | 3·0 | 3·0 | 4·0 |
| | Sunshine ... | 2·0 | 1·0 | 0·1 | 1·3 | 0·3 | 0·0 | 1·0 | 1·1 | 0·1 | 1·1 | 0·1 | 0·3 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 1913. Mar. 2nd.–May 31st. 13 weeks. | Warmth ... | 2·5 | 2·5 | 5·2 | 5·2 | 4·2 | 4·2 | 2·4 | 4·3 | 3·2 | 1·3 | 1·3 | 3·4 |
| | Rainfall ... | 6·2 | 5·3 | 5·4 | 5·2 | 7·3 | 6·1 | 8·2 | 7·3 | 6·1 | 7·2 | 6·1 | 7·3 |
| | Sunshine ... | 3·3 | 2·3 | 1·4 | 2·6 | 2·5 | 2·4 | 1·8 | 1·4 | 0·6 | 2·5 | 1·6 | 0·10 |
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4·3 | 2·4 | 3·5 | 3·5 | 3·5 | 2·6 | 3·4 | 3·5 | 5·5 | 3·5 | 4·4 | 1·6 |
| | Rainfall ... | 2·8 | 1·9 | 0·10 | 1·5 | 0·9 | 1·9 | 2·7 | 3·8 | 1·11 | 1·8 | 2·9 | 1·5 |
| | Sunshine ... | 4·5 | 4·4 | 4·7 | 2·7 | 2·8 | 1·7 | 5·5 | 6·5 | 3·4 | 6·6 | 5·4 | 3·9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6·0 | 8·0 | 8·0 | 10·0 | 11·0 | 11·0 | 6·0 | 9·0 | 9·0 | 8·0 | 9·2 | 11·0 |
| | Rainfall ... | 4·4 | 2·4 | 4·6 | 5·6 | 5·4 | 5·5 | 2·4 | 4·6 | 3·5 | 3·2 | 7·1 | 4·3 |
| | Sunshine ... | 5·4 | 5·6 | 6·3 | 4·1 | 4·3 | 5·2 | 1·4 | 6·3 | 4·6 | 2·5 | 2·6 | 2·4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth .. | 6·3 | 7·2 | 7·2 | 9·3 | 7·4 | 7·4 | 4·2 | 8·3 | 7·4 | 7·2 | 7·4 | 6·4 |
| | Rainfall ... | 5·2 | 5·4 | 1·7 | 3·9 | 2·8 | 3·5 | 5·4 | 5·6 | 3·5 | 5·5 | 4·6 | 5·7 |
| | Sunshine ... | 3·1 | 2·2 | 1·2 | 3·4 | 2·6 | 4·4 | 2·6 | 2·0 | 3·5 | 1·9 | 1·7 | 2·5 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(964—19.) Wt. 229—611. 450. 4/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | **Temperature of the Air.** In Degrees Fahrenheit. | | | | | | | | | **Rainfall.** | | | **Bright Sunshine.** Hours per Day | | | **Ground Temperature.** | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean | Earth 4 ft. Difference from Average. | |
| **0.** SCOTLAND, N. | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr | % | ° | ° | ° | ° | ° | ° | |
| *p Baltasound* | *31* | *57* | *2nd* | *34* | *29, 4* | *48·0* | *38·1* | *42·8* | — | *22* | *11* | *6* | *0·66* | — | *2·1* | — | *17* | • | • | 42·2 | • | • | • | *Baltasound.* |
| *a* Lerwick | 54 | 49 | 1st | 31 | 29th | 46·6 | 38·3 | 42·3 | + 2·9 | 18 | 10 | 5 | 1·12 | — | 2·5 | - 1·5 | 20 | • | • | • | • | • | • | Deerness. |
| *a*, Islands.. *a* Stornoway | 51 | 53 | 30th | 37 | 29th | 51·3 | 40·4 | 45·6 | + 4·8 | 32 | 4 | 6 | 1·22 | + 0·38 | ? | ? | ? | • | • | • | • | • | • | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *50* | *30-3* | *42* | *29th* | *49·6* | *44·4* | *46·9* | + *4·7* | *34* | *0* | *6** | *1·27* | — | *4·1* | — | *33* | • | • | • | • | • | • | *Castlebay.* |
| *a* Wick | 81 | 53 | 31st | 33 | 4th | 48·0 | 39·3 | 43·4 | + 2·7 | 21 | 8 | 5 | 0·42 | - 0·06 | • | • | • | • | • | • | • | • | • | |
| *b*, Mainland. *p* Strathpeffer | 200 | 56 | 4th | 34 | 1st | 53·6 | 37·0 | 44·9 | + 4·3 | 41 | 14 | 4 | 0·26 | - 0·24 | 3·7 | + 0·2 | 29 | • | • | • | • | • | • | Strathpeffer. |
| *p* Glencarron | 500 | | | | | | | | | | | | | | • | | • | • | • | • | • | • | • | |
| *p* Fort Augustus | 68 | 56 | 4th | 32 | 4th | 53·9 | 38·4 | 45·8 | + 5·2 | 42 | 10 | 5 | 0·51 | - 0·20 | 3·3 | + 0·3 | 26 | • | • | • | • | • | • | Fort Augustus. |
| *p* Fort William | 175 | 57 | 4th | 35 | 4th | 53·4 | 40·1 | 46·4 | + 4·6 | 39 | 5 | 7 | 2·37 | + 1·05 | • | • | • | • | • | • | • | • | • | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | 4·6 | • | 37 | 3 | 26 | 41·5 | +1·6 | 40·1 | +0·6 | Crathes S. |
| *p* Gordon Castle | 101 | 59 | 4th | 35 | 4th | 54·9 | 38·9 | 46·5 | + 4·8 | 45 | 9 | 4 | 0·50 | + 0·02 | *4·6* | — | *37* | • | • | • | • | • | • | *Gordon Castle.* |
| *a* Nairn | 82 | 56 | 2, 3 | 33 | 2nd | 54·1 | 36·3 | 44·8 | + 3·9 | 44 | 16 | 4 | 0·24 | - 0·14 | 4·7 | — | 37 | • | • | • | • | • | • | Nairn. |
| *a* Aberdeen | 46 | 59 | 31st | 34 | 4th | 53·4 | 38·3 | 45·5 | + 4·2 | 40 | 10 | 3 | 0·18 | - 0·33 | 4·7 | + 0·4 | 37 | • | • | • | • | 41·2 | +0·9 | Aberdeen. |
| *a* Balmoral | 930 | 56 | 3rd | 27 | 2nd | 51·6 | 32·9 | 41·8 | + 4·4 | 27 | 35 | 4 | 0·37 | - 0·23 | • | • | • | 5 | 24 | • | • | • | • | Balmoral. |
| *p* Crieff | 440 | 57 | 3rd | 34 | 4th | 53·7 | 39·4 | 46·2 | + 4·4 | 40 | 7 | 6 | 2·05 | + 1·43 | 4·9 | — | 39 | • | • | • | • | • | • | Balruddery. |
| *a* Leith | 18 | 59 | 30, 1 | 30 | 29th | 55·4 | 39·7 | 47·2 | + 4·7 | 46 | 6 | 6 | 0·50 | + 0·19 | • | • | • | • | • | • | • | • | • | |
| *p* West Linton | 800 | 55 | 1st | 27 | 4th | 52·6 | 37·4 | 44·6 | + 7·3 | 38 | 13 | 6 | 0·61 | — | *4·7* | — | *37* | 2 | 24 | • | • | • | • | *West Linton* |
| *p* Marchmont | 498 | 58 | 31st | 35 | 4th | 54·7 | 40·6 | 47·3 | + 7·1 | 43 | 4 | 6 | 0·64 | + 0·10 | 3·2 | - 0·7 | 25 | 1 | 28 | 43·4 | +3·7 | • | • | Marchmont. |
| *a Edinburgh* | *441* | *58* | *1st* | *38* | *4th* | *53·7* | *42·6* | *47·9* | — | *41* | *0* | *6* | *0·59* | — | 6·4 | + 3·0 | 51 | 0 | 31 | • | • | • | • | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *a* Poltalloch | 132 | 56 | 31st | 41 | 29, 2 | 52·6 | 43·1 | 47·6 | + 5·7 | 39 | 0 | 6 | 2·07 | + 1·35 | • | • | • | • | • | • | • | • | • | |
| *p* Glasgow Observatory | 189 | 55 | 31, 1 | 39 | 4th | 53·0 | 43·7 | 48·1 | + 6·4 | 43 | 0 | 7 | 1·01 | + 0·49 | 3·1 | - 0·1 | 25 | 0 | 31 | • | • | • | • | Glasgow. |
| *p* Rothesay | 73 | 56 | 1st | 39 | 4th | 52·6 | 41·4 | 46·7 | + 4·2 | 35 | 2 | 7 | 1·30 | + 0·59 | *3·7* | • | *29* | 0 | 34 | 44·7 | • | 43·3 | +1·1 | *Rothesay.* |
| *a* Kilmarnock | 90 | 57 | 1st | 39 | 4th | 55·1 | 42·4 | 48·5 | + 8·4 | 46 | 0 | 6 | 0·83 | — | *3·9* | — | *31* | • | • | • | • | • | • | *Kilmarnock.* |
| *a* Colmonell | 150 | 59 | 2nd | 39 | 29th | 54·6 | 43·9 | 49·0 | + 6·4 | 49 | 0 | 6 | 1·38 | + 0·89 | • | • | • | 0 | 39 | • | • | • | • | |
| *p* Dumfries | 180 | 55 | 3, 4 | 39 | 4th | 52·7 | 42·6 | 47·4 | + 5·0 | 38 | 0 | 5 | 0·95 | + 0·35 | *4·0* | — | *32* | 0 | 32 | 44·7 | • | 42·9 | • | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 55 | 2, 3 | 37 | 29th | 53·1 | 41·6 | 47·1 | + 5·0 | 37 | 1 | 5 | 1·14 | + 0·34 | • | • | • | • | • | • | • | • | • | |
| *b.* I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 55 | 31, 1 | 42 | 3rd | 52·3 | 44·0 | 48·0 | + 5·4 | 42 | 0 | 6 | 1·01 | + 0·38 | 4·7 | - 0·2 | 37 | 0 | 34 | • | • | • | • | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 61 | 1st | 32 | 4th | 55·6 | 40·7 | 47·8 | + 6·6 | 46 | 4 | 4 | 0·40 | - 0·12 | 6·2 | — | 49 | 1 | 27 | 43·8 | +4·0 | 42·6 | +2·3 | Cockle Park |
| *a* Shields | 96 | 60 | 31, 1 | 36 | 20th | 56·4 | 42·3 | 49·0 | + 7·2 | 49 | 0 | 4 | 0·09 | - 0·29 | • | • | • | • | • | • | • | • | • | |
| *p* Durham | 336 | 62 | 1st | 32 | 4th | 55·7 | 40·7 | 47·8 | + 6·8 | 46 | 4 | 4 | 0·12 | - 0·25 | 5·1 | + 1·2 | 41 | 1 | 29 | • | • | • | • | Durham. |
| *a*, North *p* Rounton | 249 | 63 | 1st | 37 | 3, 4 | 57·3 | 42·1 | 49·3 | + 8·3 | 51 | 0 | 3 | 0·19 | - 0·26 | • | • | • | 2 | 29 | 44·9 | • | • | • | Rounton. |
| *a West Witton* | *605* | *60* | *1st* | *36* | *4th* | *54·4* | *40·9* | *47·3* | — | *42* | *3* | *4* | *0·61* | — | • | • | • | 1 | 30 | 43·7 | • | 41·1 | • | *West Witton.* |
| *p* Scarborough | 100 | 62 | 1st | 40 | 29th | 56·7 | 44·1 | 50·1 | + 7·8 | 57 | 0 | 3 | 0·20 | - 0·21 | 4·7 | — | 37 | • | • | • | • | 44·0† | • | Scarborough. |
| *p* York | 56 | 63 | 1st | 34 | 29th | 57·4 | 42·0 | 49·3 | + 6·5 | 51 | 0 | 3 | 0·35 | - 0·03 | 3·8 | + 0·1 | 30 | • | • | 44·9 | +3·4 | 44·0 | +2·5 | York. |
| | | | | | | | | | | | | | | | *2·6* | — | *21* | 1 | 29 | 44·0 | +2·6 | 43·1 | +1·7 | *Hull.* |
| *a* Spurn Head | 26 | 63 | 1st | 38 | 29th | 57·3 | 41·0 | 48·8 | + 6·5 | 52 | 3 | 3 | 0·20 | - 0·08 | *3·9* | — | *31* | • | • | • | • | • | • | *Spurn Head.* |
| *b*, South *a* Lincoln | 58 | 65 | 1st | 38 | 29, 3 | 57·9 | 41·4 | 49·3 | + 6·5 | 54 | 2 | 2 | 0·37 | + 0·03 | • | • | • | • | • | 45·3 | +4·1 | 43·5 | +2·2 | Lincoln. |
| *a* Fulbeck | 180 | 64 | 1st | 38 | 3rd | 57·0 | 41·4 | 48·8 | + 6·0 | 50 | 2 | 5 | 0·35 | - 0·01 | 3·0 | — | 24 | 4 | 29 | 46·1 | +3·3 | 44·2 | +1·5 | Rauceby. |
| | | | | | | | | | | | | | | | 2·1 | — | 17 | • | • | • | • | • | • | Skegness. |
| | | | | | | | | | | | | | | | *4·2* | — | *33* | 0 | 35 | 46·6 | +3·7 | 44·4 | +1·8 | *Lowestoft.* |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Cromer | 196 | 69 | 1st | 37 | 29th | 58·1 | 42·9 | 50·1 | + 8·3 | 57 | 0 | 3 | 0·10 | — | 3·4 | — | 27 | • | • | • | • | • | • | Cromer. |
| *p* Little Massingham | 280 | 66 | 1st | 34 | 30th | 57·9 | 41·1 | 49·1 | + 6·5 | 53 | 3 | 5 | 0·32 | - 0·08 | 2·8 | - 1·4 | 22 | 1 | 30 | • | • | • | • | Lit. Massingham. |
| *a*, North *a* Yarmouth | 17 | 66 | 1st | 33 | 29th | 58·0 | 40·1 | 48·6 | + 6·9 | 54 | 5 | 4 | 0·24 | - 0·10 | 4·2 | — | 33 | • | • | 46·9 | +3·9 | 45·7 | +1·8 | Yarmouth. |
| *a* Norwich | 93 | 68 | 1st | 37 | 29th | 59·3 | 41·6 | 50·0 | + 7·7 | 58 | 1 | 4 | 0·27 | — | *3·5* | — | *28* | 3 | 27 | 44·9 | • | • | • | *Norwich.* |
| *p* Geldeston | 37 | 66 | 31, 1 | 38 | 29, 3 | 59·6 | 42·3 | 50·5 | + 8·0 | 60 | 0 | 3 | 0·24 | - 0·12 | 3·8 | - 0·8 | 30 | • | • | • | • | • | • | Geldeston. |
| *p* Cambridge | 41 | 66 | 31, 1 | 34 | 3rd | 58·0 | 40·6 | 48·9 | + 5·7 | 54 | 4 | 5 | 0·33 | + 0·02 | 2·8 | - 1·7 | 22 | 1 | 30 | 45·8 | +2·7 | 45·0 | +1·5 | Cambridge. |
| *a Felixstowe* | *10* | *62* | *1st* | *40* | *3rd* | *55·3* | *43·7* | *49·2* | + *6·4* | *50* | *0* | *3* | *0·33* | — | *4·0* | — | *32* | • | • | • | • | • | • | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 60 | 31, 1 | 34 | 29th | 53·7 | 42·0 | 47·6 | + 5·2 | 39 | 0 | 2 | 0·51 | — | 3·7 | — | 30 | 0 | 34 | 47·2 | +4·0 | 46·2 | +1·8 | Clacton. |
| *b*, South *a* Rothamsted | 424 | 64 | 31, 1 | 35 | 1st | 56·7 | 40·0 | 48·0 | + 5·6 | 50 | 6 | 4 | 0·42 | + 0·02 | 3·9 | - 0·3 | 31 | • | • | • | • | • | • | Rothamsted. |
| *a Shoeburyness* | *13* | *64* | *1st* | *38* | *3rd* | *57·1* | *42·4* | *49·4* | + *5·5* | *52* | *0* | *6* | *0·15* | - *0·11* | *3·9* | — | *31* | 0 | 35 | 47·3 | +4·2 | • | • | *Southend.* |
| *p* Tottenham | 51 | 64 | 31st | 36 | 29th | 57·7 | 44·0 | 50·5 | + 7·0 | 60 | 0 | 5 | 0·32 | — | 3·6 | — | 29 | 0 | 35 | • | • | 45·5 | +2·1 | Tottenham. |
| | | | | | | | | | | | | | | | *2·6* | — | *21* | 0 | 33 | 44·2 | +4·3 | 42·5 | +2·4 | *Huddersfield.* |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | • | — | • | • | • | • | • | • | • | Harrogate. |
| *a* Harrogate | 476 | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Bawtry | 65 | 66 | 1st | 36 | 3rd | 57·9 | 40·3 | 48·7 | + 5·9 | 54 | 5 | 3 | 0·25 | - 0·08 | 3·1 | - 0·6 | 25 | 2 | 29 | 45·5 | • | 44·0 | • | Worksop. |
| *p Buxton* | *987* | *59* | *1st* | *39* | *29, 3* | *53·4* | *40·7* | *46·8* | + *7·2* | *39* | *4* | *5* | *0·69* | - *0·15* | *3·3* | — | *26* | 2 | 22 | 43·7 | +3·9 | 42·8 | +2·2 | *Buxton.* |
| *a*, East *a* Nottingham | 82 | 63 | 1st | 28 | 29th | 56·6 | 39·1 | 47·4 | + 4·7 | 50 | 8 | 5 | 0·38 | + 0·04 | 2·5 | — | 20 | 0 | 31 | 46·1 | +5·1 | 42·9 | +2·4 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 63 | 1st | 41 | 29th | 55·7 | 44·3 | 49·7 | + 7·2 | 54 | 0 | 6 | 0·34 | - 0·07 | 2·1 | — | 17 | 0 | 35 | 45·3 | +4·0 | 44·6 | +1·7 | Birmingham. |
| *a* Raunds | 204 | 67 | 1st | 36 | 3rd | 58·4 | 40·4 | 49·0 | + 6·6 | 56 | 4 | 4 | 0·34 | — | *2·8* | — | *22* | 3 | 29 | 45·6 | • | 44·7 | • | *Raunds.* |
| *p* Oxford | 208 | 65 | 31st | 39 | 1, 3 | 56·7 | 44·0 | 50·1 | + 6·6 | 57 | 0 | 5 | 0·60 | + 0·29 | 3·3 | - 0·9 | 27 | 0 | 31 | • | • | • | • | Oxford. |
| | | | | | | | | | | | | | | | 3·7 | — | 29 | 0 | 34 | 44·3 | +3·8 | 43·0 | +2·3 | Sheffield. |
| *a* Cheadle | 646 | 63 | 1st | 37 | 3rd | 53·3 | 41·1 | 46·9 | + 5·6 | 38 | 3 | 4 | 0·66 | + 0·18 | • | • | • | 0 | 32 | • | • | • | • | Cheadle. |
| *p* Shrewsbury | 191 | 63 | 1st | 38 | 3rd | 58·6 | 42·6 | 50·2 | + 6·9 | 57 | 0 | 3 | 0·30 | — | • | • | • | 0 | 37 | • | • | • | • | Shrewsbury. |
| *b*, West *a* Hereford§ | 291 | 64 | 1st | 37 | 1st | 58·9 | 43·6 | 50·9 | + 7·4 | 62 | 0 | 5 | 0·36 | - 0·03 | *3·7* | — | *30* | 0 | 32 | 46·1 | • | 44·1 | • | *Malvern.*§ |
| *a* Cirencester | 446 | 61 | 31, 1 | 36 | 3rd | 56·3 | 44·6 | 50·2 | + 8·1 | 57 | 0 | 5 | 0·96 | + 0·54 | 3·8 | - 0·5 | 31 | 0 | 36 | 45·0 | • | 44·5 | • | Cirencester. |
| *a* Bath | 66 | 64 | 31st | 37 | 29th | 58·0 | 43·3 | 50·3 | + 6·7 | 58 | 0 | 6 | 0·65 | + 0·18 | 4·5 | — | 36 | • | • | • | • | • | • | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | • | • | • | 0 | 35 | 46·5 | +3·1 | 46·1 | +2·0 | Canterbury. |
| *p* Kew | 18 | 62 | 31, 1 | 40 | 30th | 56·4 | 43·6 | 49·7 | + 5·9 | 54 | 0 | 3 | 0·27 | - 0·09 | 3·8 | - 0·2 | 31 | 1 | 30 | 46·1 | +3·7 | 45·2 | +1·5 | Kew. |
| *a* Marlborough | 424 | | | | | | | | | | | | | | • | — | • | • | • | • | • | • | • | Marlborough. |
| *a* Margate | 35 | 65 | 1st | 41 | 30th | 57·7 | 44·7 | 50·9 | + 7·6 | 62 | 0 | 3 | 0·12 | - 0·20 | 4·0 | - 0·4 | 32 | 0 | 32 | 46·4 | +3·9 | 46·0 | +3·2 | Margate. |
| *a* Wisley, Surrey | 150 | 63 | 31, 1 | 37 | 29th | 57·3 | 42·7 | 49·7 | + 5·7 | 54 | 0 | 4 | 0·30 | — | 4·0 | — | 32 | 3 | 29 | 46·0 | +3·5 | 44·3 | +0·9 | Wisley. |
| | | | | | | | | | | | | | | | 3·7 | — | 30 | 0 | 34 | 47·3 | +3·8 | 45·7 | +1·5 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 63 | 31st | 36 | 3rd | 56·4 | 42·4 | 49·1 | + 5·2 | 50 | 0 | 4 | 0·71 | + 0·23 | • | • | • | 0 | 31 | 46·6 | • | • | • | Salisbury. |
| *a* Tunbridge Wells | 418 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | Tunbridge Wells. |
| *a* Dungeness | 21 | 55 | 31, 3 | 33 | 29th | 51·0 | 42·1 | 47·3 | + 4·1 | 37 | 0 | 4 | 0·39 | + 0·04 | 3·9 | — | 32 | • | • | • | • | • | • | Littlestone. |
| *p* Hastings | 178 | 57 | 3rd | 44 | 29, 30, 3 | 53·7 | 44·9 | 49·1 | + 5·0 | 50 | 0 | 3 | 0·40 | - 0·04 | *4·4* | — | *36* | 0 | 36 | 47·5 | • | 45·3 | • | *Hastings.* |
| ‡ Southampton | 65 | 62 | 31, 1 | 39 | 3rd | 56·4 | 45·3 | 50·6 | + 4·8 | 60 | 0 | 4 | 0·54 | + 0·07 | 3·3 | - 1·3 | 27 | 0 | 32 | • | • | • | • | Southampton. |
| *a* Ventnor | 80 | 58 | 31st | 43 | 3rd | 53·6 | 45·4 | 49·3 | + 4·1 | 51 | 0 | 5 | 0·50 | + 0·09 | 3·7 | - 1·5 | 30 | • | • | • | • | • | • | Ventnor. |
| | | | | | | | | | | | | | | | *4·0* | — | *32* | 1 | 29 | 48·3 | +3·9 | 47·1 | +1·6 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 4·2 | - 0·7 | 34 | • | • | 46·6 | • | 46·2 | • | Eastbourne. |
| | | | | | | | | | | | | | | | *3·6* | — | *29* | • | • | 46·3 | • | 45·1 | • | *Bournemouth.* |
| | | | | | | | | | | | | | | | *4·0* | — | *32* | 0 | 34 | • | • | 44·5 | • | *Brighton.* |
| LONDON. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a Westminster* | *27* | *66* | *1st* | *41* | *3rd* | *58·5* | *45·4* | *51·6* | + *7·8* | *67* | *0* | *3* | *0·25* | - *0·11* | *3·2* | + *0·4* | *26* | 0 | 34 | • | • | • | • | *Westminster.* |
| *a Greenwich* | *155* | *67* | *1st* | *38* | *3rd* | *59·9* | *43·0* | *51·0* | + *6·4* | *63* | *0* | *5* | *0·32* | - *0·04* | *4·1* | + *0·3* | *33* | 6 | 28 | • | • | • | • | *Greenwich.* |
| *a Hampstead* | *450* | *66* | *31st* | *40* | *3rd* | *56·6* | *43·8* | *49·9* | — | *55* | *0* | *4* | *0·40* | — | *4·0* | — | *32* | ? | ? | • | • | • | • | *Hampstead.* |
| *a Camden Square* | *110* | *67* | *1st* | *36* | *29th* | *59·7* | *43·0* | *51·0* | — | *63* | *0* | *3* | *0·33* | — | *3·3* | — | *27* | 0 | 35 | • | • | • | • | *Camden Square.* |
| | | | | | | | | | | | | | | | *2·5* | — | *20* | 1 | 30 | 43·9 | +4·3 | 42·6 | +2·2 | *Burnley.* |
| | | | | | | | | | | | | | | | 4·3 | — | 34 | • | • | • | • | • | • | Hoylake. |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Aspatria | 250 | 58 | 1st | 38 | 29th | 54·1 | 42·1 | 47·8 | + 6·4 | 41 | 0 | 5 | 0·56 | - 0·05 | 4·4 | — | 35 | 0 | 31 | 45·6 | • | 44·0 | • | Aspatria. |
| *p* Newton Rigg | 559 | 59 | 1st | 35 | 4th | 54·0 | 40·9 | 47·1 | + 6·4 | 40 | 3 | 4 | 0·39 | - 0·15 | 4·9 | + 0·8 | 39 | 2 | 25 | 44·4 | +3·4 | 42·2 | +1·6 | Newton Rigg. |
| *p* Stonyhurst | 375 | 58 | 30th | 40 | 2, 3 | 53·7 | 43·0 | 48·1 | + 6·5 | 43 | 0 | 5 | 1·04 | + 0·31 | 3·1 | - 0·9 | 25 | 0 | 31 | • | • | • | • | Stonyhurst. |
| *p* Blackpool | 66 | 58 | 30th | 41 | 4th | 53·7 | 43·9 | 48·6 | + 6·2 | 46 | 0 | 5 | 0·66 | + 0·16 | 4·1 | + 0·1 | 33 | 0 | 31 | 45·5 | • | 45·1 | • | Blackpool. |
| *p* Manchester (Whit. Pk.) | 125 | 60 | 1st | 41 | 3rd | 55·7 | 45·0 | 50·1 | + 6·8 | 57 | 0 | 4 | 0·41 | - 0·06 | *3·2* | + *0·4* | *25* | • | • | • | • | • | • | *Whit. Park.* |
| *a* Liverpool (Bidston) | 188 | 59 | 30th | 33 | 29th | 55·0 | 42·7 | 48·6 | + 4·7 | 46 | 0 | 4 | 0·15 | - 0·26 | *4·3* | — | *34* | • | • | • | • | • | • | *Liverpool.* |
| *a Hawarden Bridge* | *22* | *60* | *30, 31* | *33* | *29th* | *57·3* | *42·9* | *49·8* | + *5·6* | *55* | *0* | *3* | *0·13* | - *0·29* | *4·1* | — | *33* | 0 | 34 | 47·0 | +4·9 | 44·9 | +2·5 | *Southport.* |
| | | | | | | | | | | | | | | | *2·8* | — | *22* | 0 | 39 | 45·2 | +4·4 | 45·0 | +2·7 | *Manchester (City).* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 58 | 1st | 42 | 4th | 55·6 | 43·9 | 49·5 | + 5·5 | 53 | 0 | 4 | 0·33 | - 0·14 | 4·8 | + 0·6 | 38 | • | • | • | • | • | • | Llandudno. |
| *a* Holyhead | 57 | 53 | 2, 3 | 37 | 29th | 52·1 | 44·4 | 48·1 | + 4·2 | 43 | 0 | 5 | 0·53 | - 0·02 | *3·7* | — | *29* | • | • | • | • | • | • | *Holyhead.* |
| | | | | | | | | | | | | | | | 3·6 | — | 29 | • | • | • | • | • | • | Aberdovey. |

* For note see also opposite page. † At 3 feet. ‖ Hoar frost. § The temperature on the grass refers to Hereford.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 3·5 | — | 28 | | | | | | | |
| *a* Llangammarch Wells | 550 | 57 | 30, 2 | 34 | 1st | 55·7 | 41·6 | 48·3 | + 6·7 | 46 | 1 | 5 | 0·85 | — | 3·1 | — | 25 | 22 | 28 | 45·3 | +3·3 | 45·2 | +2·0 | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 54 | 3rd | 44 | 29th | 50·6 | 46·1 | 48·2 | + 4·4 | 43 | 0 | 5 | 0·70 | + 0·23 | 3·5 | - 1·3 | 28 | | | | | | | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 62 | 31st | 42 | 1, 3 | 56·7 | 44·6 | 50·4 | + 5·8 | 59 | 0 | 6 | 1·18 | + 0·54 | *5·2* | — | *42* | 0 | 35 | 47·7 | +5·5 | 45·5 | +2·5 | Pembroke. |
| | | | | | | | | | | | | | | | | | | | | | | | | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 64 | 31st | 42 | 3rd | 57·6 | 45·7 | 51·4 | + 6·9 | 66 | 0 | 5 | 0·87 | + 0·35 | *4·3* | — | *35* | 0 | 40 | | | | | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 59 | 31, 1 | 41 | 29, 3 | 54·0 | 44·0 | 48·8 | + 6·1 | 48 | 0 | 4 | 0·43 | - 0·07 | | | | | | 46·3 | | 44·7 | | Shaftesbury. |
| *a* Arlington .. .. | 613 | 61 | 31st | 42 | 29, 3 | 55·1 | 44·0 | 49·3 | + 6·7 | 51 | 0 | 5 | 1·28 | + 0·51 | | | | | | | | | | Arlington. |
| *a Newquay* .. .. | *190* | *62* | *31st* | *44* | *1st* | *55·4* | *46·9* | *51·0* | *+ 5·9* | *63* | *0* | *6* | *0·73* | *+ 0·24* | 4·9 | + 0·1 | 40 | 0 | 38 | 49·2 | | 47·5 | | Newquay. |
| *a* Cullompton .. .. | 202 | 65 | 31st | 39 | 3rd | 58·9 | 45·0 | 51·6 | + 7·6 | 67 | 0 | 6 | 0·76 | + 0·23 | 4·0 | - 0·4 | 32 | 0 | 31 | 48·2 | | | | Cullompton. |
| *a* Portland .. .. | 19 | 53 | 31st | 44 | 30th | 51·3 | 46·0 | 48·5 | + 3·9 | 46 | 0 | 4 | 0·67 | — | *4·5* | — | *36* | | | | | | | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 57 | 31st | 37 | 29th | 54·4 | 45·4 | 49·7 | + 4·6 | 54 | 0 | 6 | 1·37 | + 0·80 | 4·0 | - 0·8 | 32 | 0 | 36 | 49·6 | +4·4 | | | Plymouth. |
| *a* Falmouth .. .. | 167 | 60 | 31st | 43 | 3, 4 | 55·9 | 45·6 | 50·5 | + 5·4 | 60 | 0 | 5 | 1·24 | + 0·57 | 4·7 | - 0·3 | 38 | 0 | 34 | 50·7 | | 48·9 | | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. { *a* Malin Head .. .. | 208 | 55 | 1, 3 | 40 | 29th | 53·4 | 44·3 | 48·6 | + 5·7 | 46 | 0 | 7 | 0·42 | - 0·05 | | | | | | | | | | |
| *a* Blacksod Point .. | 37 | 54 | 29, 3 | 43 | 29, 4 | 52·6 | 44·4 | 48·5 | + 3·8 | 46 | 0 | 6 | 1·85 | + 1·06 | | | | | | | | | | |
| *p* Markree Castle .. | 122 | 59 | 1st | 36 | 3rd | 56·8 | 41·6 | 48·7 | + 5·9 | 49 | 1 | 7 | 1·24 | + 0·57 | 4·9 | + 1·0 | 39 | 1 | 30 | 45·4 | | 44·7 | | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 59 | 31, 1, 3 | 39 | 3rd | 56·7 | 42·7 | 49·4 | + 6·7 | 52 | 0 | 7 | 1·23 | + 0·72 | *6·3* | + *2·2* | *50* | | | | | | | *Birr Castle.* |
| *b*, East .. { *p* Armagh .. .. | 196 | 59 | 31st | 40 | 3rd | 56·6 | 43·4 | 49·7 | + 7·0 | 54 | 0 | 7 | 0·71 | + 0·21 | 5·7 | + 1·9 | 45 | 0 | 36 | 45·8 | +2·6 | 44·2 | +0·5 | Armagh. |
| *a* Donaghadee .. .. | 40 | 59 | 1st | 40 | 3, 4 | 55·1 | 43·6 | 49·1 | + 5·9 | 50 | 0 | 7 | 0·61 | + 0·14 | | | | 0 | 37 | 47·2 | +3·2 | 45·7 | +1·1 | Trinity Coll. |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 6·7 | + 2·2 | 53 | 1 | 30 | | | | | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 60 | 1st | 43 | 29, 3, 4 | 58·1 | 45·6 | 51·6 | + 6·7 | 67 | 0 | 5 | 0·42 | - 0·01 | | | | 0 | 40 | | | | | Dublin City. |
| *a*, East .. { *a* Kilkenny .. .. | 195 | 58 | 31st | 38 | 3rd | 56·6 | 43·3 | 49·6 | + 5·6 | 53 | 0 | 5 | 1·06 | + 0·57 | | | | | | | | | | |
| *a* Waterford .. | 100 | 56 | 1, 2 | 41 | 3, 4 | 54·7 | 44·7 | 49·5 | + 5·3 | 53 | 0 | 5 | 1·06 | + 0·45 | | | | | | | | | | |
| *a Carrick-on-Suir* .. | *541* | *56* | *2nd* | *39* | *4th* | *54·6* | *43·6* | *48·8* | — | *48* | *0* | *5* | *1·32* | — | *5·4* | — | *43* | 0 | 35 | | | | | *Carrick-on-Suir.* |
| *a* Birr Castle .. .. | 175 | 59 | 31, 1, 3 | 39 | 3rd | 56·7 | 42·7 | 49·4 | + 6·7 | 52 | 0 | 7 | 1·23 | + 0·72 | 6·3 | + 2·2 | 50 | | | | | | | Birr Castle. |
| *a* Foynes .. .. | 50 | 60 | 31st | 40 | 4th | 56·4 | 42·1 | 48·9 | + 4·1 | 48 | 0 | 6 | 1·06 | + 0·46 | | | | | | | | | | |
| *a* Cahir .. .. | 199 | 58 | 2, 3 | 37 | 4th | 56·3 | 42·6 | 49·1 | + 5·3 | 50 | 0 | 6 | 1·09 | — | | | | | | | | | | |
| *b*, West .. { *a* Killarney .. | 174 | 61 | 31st | 42 | 4th | 57·2 | 45·5 | 51·1 | + 6·1 | 64 | 0 | 7 | 2·03 | + 1·08 | | | | | | | | | | |
| *a* Valencia .. .. | 30 | 56 | 31st | 44 | 4th | 54·0 | 46·7 | 50·2 | + 4·3 | 57 | 0 | 7 | 1·57 | + 0·60 | 2·5 | - 2·0 | 20 | | | | | | | Valencia. |
| *a* Roche's Point .. .. | 32 | 55 | 2nd | 41 | 4th | 52·9 | 45·9 | 49·2 | + 3·9 | 50 | 0 | 7 | 1·45 | + 0·81 | 4·2 | | 34 | | | | | | | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 55 | 29, 31, 3 | 43 | 4th | 54·1 | 46·3 | 50·2 | + 3·5 | 57 | 0 | 5 | 0·84 | + 0·36 | 4·7 | - 0·3 | 38 | | | | | | | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 65 | 31st | 43 | 30th | 56·4 | 45·7 | 50·8 | + 4·7 | 62 | 0 | 4 | 0·64 | + 0·14 | 5·4 | + 0·1 | 44 | | | | | | | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 62 | 31st | 42 | 3rd | 55·1 | 45·0 | 49·8 | + 3·6 | 55 | 0 | 4 | 0·45 | - 0·10 | 4·5 | - 0·8 | 36 | 0 | 39 | 49·1 | +2·8 | 47·8 | +1·6 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 3·6 hrs. 29 °/₀; Ramsgate, 3·8 hrs. 31 °/₀; Rhyl, 3·9 hrs. 31 °/₀; Salcombe, 4·1 hrs. 33 °/₀; Tenby, 3·8 hrs. (−1·5) 29 °/₀; Torquay, 5·1 hrs. (+0·1) 41 °/₀.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Apr. 4th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 45 | 44 | 44·4 | +1·5 |
| Kirkwall .. .. | 46 | 44 | 44·9 | +2·4 |
| Wick .. .. .. | 44 | 43 | 43·8 | +0·5 |
| SCOTLAND, E. | | | | |
| Cromarty .. . | 47 | 40 | 44·1 | +2·9 |
| Pennan Bay .. .. | 45 | 43 | 43·9 | +2·0 |
| Aberdeen, Cove Bay | 44 | 41 | 42·7 | +0·6 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 48 | 44 | 46·2 | +2·2 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 46 | 38 | 42·1 | +1·5 |
| Scarborough .. .. | 48 | 43 | 45·3 | +3·6 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 47 | 45 | 46·1 | +4·7 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. . | 47 | 45 | 46·4 | +2·9 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 48 | 46 | 46·5 | +2·2 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 50 | 49 | 49·5 | — |
| Plymouth‡ .. .. | 52 | 49 | 50·6 | +3·6 |
| Salcombe .. .. | 51 | 49 | 50·2 | +4·2 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 48 | 46 | 46·6 | +0·9 |
| Teelin .. .. .. | 48 | 45 | 46·4 | +0·5 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 47 | 46 | 46·8 | +1·0 |
| Seafield .. .. | 52 | 43 | 47·5 | −0·2 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, April 4th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Aberdeen .. .. | 105 | — | — | 31st | 4 | 38 | 126 | WSW. 12 | 31st 12h. | 21 , 31st 12. 4 |
| Rosyth .. .. | 73 | — | — | — | — | — | — | — — | — — | — — — |
| **6** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 30, 31 | 12 | 64 | 92 | S. by W. 14 | 30th 22h. | 22 30th 21. 30 |
| Paisley (Coats Obs.) | 80 | — | — | 30th | 2 | 32 | 134 | SSW. 12 | 30th 21h. | 20 30th 20. 35 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 22 | 146 | SW. by W. 10 | 31st 12h. | 17 31st 12. 35 |
| South Shields .. | 61 | — | — | — | — | 32 | 136 | W. 10 | 31st 11, 15h. | 17 31st 15. 5 |
| Spurn Head .. | 40 | — | — | 31st | 1 | 62 | 105 | SSW. 11 | 31st 2h. | 17 31st 1. 35 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 30, 31 | 6 | 68 | 94 | — 12 | 31st 8h. | 16 31st 12. 10 |
| Shoeburyness .. | 90 | — | — | 31st | 2§ | 57§ | 101§ | — 12 | 31st 7h. | 16 31st 7 . 49 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 1st | 1 | 56 | 111 | — 11 | 1st 14h. | 15 30th 18. 0 |
| Warlingham .. | 33 | — | — | — | — | 38 | 130 | — 10 | 31st 6h. | 19 30th 21. 20 |
| Brighton .. .. | 53 | — | — | — | — | 47 | 121 | — 9 | 30th 24h. | 14 31st 5. 25 |
| Kew .. .. .. | 40 | — | — | — | — | 35 | 133 | — 10 | 31st 11h. | 16 31st 11. 15 |
| South Kensington | 92 | — | — | — | — | 20 | 148 | SW. 8 | 30th 23h. | 13 30th 21. 35 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Southport .. .. | 62 | — | — | — | — | 95 | 73 | SW. by S. 11 | 31st 4h. | 17 31st 3. 5 |
| Holyhead .. .. | 40 | — | — | 30, 31, 4 | 12 | 121 | 35 | SSE. 13 | 4th 24h. | 20 30th 3. 0 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | 30, 31, 4 | 16 | 29 to 31, 3, 4 | 44 | 62 | 46 | SW. 20 | 30th 17h. | 25 30th 18. 10 |
| Plymouth .. .. | 86 | — | — | 29 to 31, 3, 4 | 34 | 61 | 73 | — 17 | 4th 23h. | 20 29th 1. 30 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 29, 30, 4 | 17 | 106 | 45 | — 14 | 29th 21h. | 19 29th 20. 5 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — — | — — — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | 29, 4 | 7 | 74 | 87 | WNW. 13 | 4th 5h. | 18 4th 3.30 |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**THIRTEENTH WEEK**—March 29th to April 4th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest. | Lowest. | Means of | | | | Accumulated Number of Day-Degrees. | | | | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | | | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | | | | | | | | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 57 | 31 | 50·6 | 39·3 | 44·7 | + 4·3 | 30 | + 13 | 8 | −19 | 6 | + 2 | 1·13 | +0·22 | 3·2 | −0·8 | 25 | 1008 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 59 | 27 | 53·8 | 37·9 | 45·5 | + 4·8 | 42 | + 20 | 11 | −18 | 5 | + 1 | 0·64 | +0·15 | 4·8 | +0·5 | 38 | 1009 |
| 2. ENGLAND, N.E. ... ... | 65 | 32 | 56·8 | 41·7 | 48·9 | + 7·1 | 50 | + 27 | 1 | −22 | 3 | 0 | 0·25 | −0·13 | 4·2 | −0·6 | 33 | 1013 |
| 3. ENGLAND, EAST ... | 69 | 33 | 57·7 | 41·6 | 49·3 | + 6·5 | 53 | + 23 | 1 | −23 | 4 | + 1 | 0·31 | −0·08 | 3·5 | −1·3 | 28 | 1017 |
| 4 MIDLAND COUNTIES ... | 67 | 28 | 57·0 | 42·3 | 49·3 | + 6·6 | 51 | + 19 | 0 | −25 | 5 | + 1 | 0·48 | +0·09 | 3·3 | −1·0 | 26 | 1016 |
| 5. ENGLAND, S.E. ... ... | 65 | 33 | 55·6 | 43·9 | 49·5 | + 5·5 | 53 | + 21 | 0 | −16 | 4 | + 1 | 0·40 | +0·04 | 3·8 | −0·9 | 31 | 1017 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 59 | 37 | 53·3 | 42·8 | 47·8 | + 5·7 | 41 | + 19 | 0 | −21 | 6 | + 2 | 1·21 | +0·45 | 3·9 | −0·6 | 31 | 1011 |
| 7. ENGLAND, N.W. ... ... | 60 | 33 | 54·2 | 43·2 | 48·5 | + 5·9 | 46 | + 22 | 0 | −19 | 5 | + 1 | 0·51 | −0·05 | 4·2 | +0·1 | 33 | 1013 |
| 8. ENGLAND, S.W. ... ... | 65 | 34 | 55·0 | 44·8 | 49·7 | + 5·5 | 54 | + 22 | 0 | −14 | 5 | + 1 | 0·94 | +0·35 | 4·0 | −0·8 | 32 | 1015 |
| 9. IRELAND, NORTH ... | 59 | 36 | 55·2 | 43·3 | 49·0 | + 6·0 | 49 | + 23 | 0 | −18 | 7 | + 2 | 1·01 | +0·36 | 5·3 | +1·1 | 42 | 1007 |
| 10. IRELAND, SOUTH ... | 61 | 37 | 55·9 | 44·3 | 49·8 | + 5·2 | 55 | + 22 | 0 | −14 | 6 | + 2 | 1·22 | +0·54 | 4·9 | +0·2 | 39 | 1009 |
| 11. ENGLISH CHANNEL ... | 65 | 42 | 55·2 | 45·8 | 50·3 | + 3·7 | 58 | + 21 | 0 | − 4 | 4 | 0 | 0·64 | +0·17 | 4·9 | −0·7 | 39 | 1016 |

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 5 Weeks, March 1st to April 4th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 57 | 22 | * | * | * | * | 59 | + 6 | 130 | − 27 | 29 | + 4 | 4·83 | −0·11 | 3·4 | +0·4 | 28 | 998 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 59 | 16 | * | * | * | * | 75 | + 1 | 153 | − 20 | 25 | + 5 | 3·64 | +1·05 | 3·7 | +0·2 | 32 | 999 |
| 2. ENGLAND, N.E. ... ... | 65 | 25 | * | * | * | * | 117 | + 29 | 93 | − 46 | 22 | + 4 | 2·06 | +0·12 | 3·5 | −0·4 | 30 | 1001 |
| 3. ENGLAND, EAST ... | 69 | 25 | * | * | * | * | 145 | + 33 | 80 | − 70 | 25 | + 7 | 3·79 | +2·04 | 3·4 | −0·5 | 30 | 1004 |
| 4. MIDLAND COUNTIES ... | 67 | 24 | * | * | * | * | 132 | + 16 | 97 | − 53 | 26 | + 9 | 3·17 | +1·20 | 2·8 | −0·7 | 24 | 1004 |
| 5. ENGLAND, S.E. ... ... | 65 | 27 | * | * | * | * | 151 | + 33 | 47 | − 66 | 27 | +11 | 5·09 | +3·02 | 3·4 | −0·5 | 29 | 1005 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 59 | 25 | * | * | * | * | 89 | + 11 | 105 | − 22 | 28 | + 7 | 5·71 | +1·72 | 3·6 | +0·1 | 31 | 1000 |
| 7. ENGLAND, N.W. ... ... | 60 | 25 | * | * | * | * | 107 | + 20 | 76 | − 40 | 27 | + 9 | 3·80 | +1·09 | 3·4 | 0·0 | 30 | 1002 |
| 8. ENGLAND, S.W. ... ... | 65 | 24 | * | * | * | * | 148 | + 28 | 45 | − 49 | 30 | +12 | 6·94 | +3·83 | 3·5 | −0·4 | 30 | 1005 |
| 9. IRELAND, NORTH ... | 59 | 26 | * | * | * | * | 116 | + 14 | 97 | − 10 | 32 | + 9 | 5·00 | +1·91 | 3·6 | +0·3 | 31 | 1000 |
| 10. IRELAND, SOUTH ... | 61 | 26 | * | * | * | * | 160 | + 26 | 58 | − 25 | 31 | +11 | 5·59 | +2·19 | 3·8 | 0·0 | 33 | 1003 |
| 11. ENGLISH CHANNEL ... | 65 | 35 | * | * | * | * | 188 | + 42 | 6 | − 29 | 30 | +10 | 5·96 | +3·36 | 3·7 | −1·1 | 32 | 1007 |

THE YEAR.—Aggregates, &c., for the Period of 13 Weeks, January 4th, 1914, to April 4th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 57 | 16 | * | * | * | * | 135 | + 28 | 360 | − 91 | 69 | + 3 | 16·34 | +1·35 | 2·1 | +0·2 | 23 | 1001 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 59 | 15 | * | * | * | * | 162 | + 27 | 424 | − 85 | 59 | + 8 | 8·62 | +1·55 | 2·4 | −0·1 | 26 | 1003 |
| 2. ENGLAND, N.E. ... ... | 65 | 24 | * | * | * | * | 264 | +106 | 266 | −141 | 54 | + 7 | 4·75 | −0·23 | 2·5 | −0·2 | 26 | 1006 |
| 3. ENGLAND, EAST ... | 69 | 19 | * | * | * | * | 284 | + 95 | 271 | −181 | 52 | + 5 | 6·92 | +2·15 | 2·6 | −0·2 | 27 | 1010 |
| 4. MIDLAND COUNTIES ... | 67 | 15 | * | * | * | * | 282 | + 76 | 321 | −129 | 54 | + 8 | 6·13 | +0·40 | 2·1 | −0·3 | 21 | 1009 |
| 5. ENGLAND, S.E. ... ... | 65 | 10 | * | * | * | * | 305 | + 84 | 228 | −115 | 55 | +11 | 9·67 | +3·61 | 2·7 | 0·0 | 27 | 1011 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 59 | 18 | * | * | * | * | 200 | + 42 | 288 | − 71 | 68 | +11 | 14·77 | +2·75 | 2·0 | −0·3 | 21 | 1005 |
| 7. ENGLAND, N.W. ... ... | 60 | 22 | * | * | * | * | 268 | + 98 | 213 | −125 | 59 | + 8 | 9·38 | +1·55 | 2·3 | 0·0 | 24 | 1007 |
| 8. ENGLAND, S.W. ... ... | 65 | 19 | * | * | * | * | 320 | + 66 | 186 | − 83 | 64 | +13 | 13·40 | +3·99 | 2·4 | −0·4 | 24 | 1009 |
| 9. IRELAND, NORTH ... | 59 | 25 | * | * | * | * | 270 | + 58 | 231 | − 68 | 72 | +12 | 12·52 | +3·55 | 2·1 | −0·3 | 22 | 1003 |
| 10. IRELAND, SOUTH ... | 61 | 24 | * | * | * | * | 353 | + 54 | 166 | − 63 | 73 | +19 | 14·31 | +4·10 | 2·5 | −0·2 | 26 | 1006 |
| 11. ENGLISH CHANNEL ... | 65 | 25 | * | * | * | * | 391 | + 49 | 72 | − 33 | 64 | + 7 | 11·33 | +3·43 | 2·9 | −0·5 | 29 | 1011 |

M.O., April 7, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) } No. 14. FOURTEENTH WEEK, SUNDAY, APRIL 5TH, TO SATURDAY, APRIL 11TH, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

The chief depression of the period arrived off the north of Scotland on the 6th, causing the barometer to fall to about 975 millibars at its centre, and the gradient for Westerly winds to become steep over the Kingdom generally. On the 5th, as it approached, the wind blew a gale from the South-Westward on some parts of the west coast, and from the Eastward in Shetland. On the 6th a gale from the Westward was experienced over a much larger area, many places between the Hebrides and the south-west of England reporting gale force. The centre of the system remained almost stationary until the 8th, with the barometer nearly as low as when it first appeared, but it then lost intensity and travelled away to the north-west of Norway. Late in the week the centre of another large disturbance travelled north-north-eastward between these Islands and Iceland, while a rain-bearing secondary came directly over the Kingdom. The wind became high from the South-Westward on various parts of the coasts, and reached the force of a gale locally in the north. Thunderstorms, or thunder only, occurred at West Linton and Aspatria on the 5th, at West Linton again on the 8th, and in some other parts of Scotland and the north of England on the 9th. At some stations in central and eastern England similar phenomena were experienced on the 7th. A portion of the large amount of precipitation consisted of hail, which was very frequent in some parts of Ireland and the north-west and north of Britain.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Unusual | Unusual | Unusual | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Unusual |
| | Rainfall ... | Heavy | Moderate | Moderate | Moderate | Heavy | Heavy | Heavy | Moderate | Heavy | Heavy | Moderate | Heavy |
| | Sunshine ... | Scanty | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Abundant | Abundant | Moderate |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 6 weeks from March 1st, 1914. | Warmth ... | 1*0 | 2*0 | 3*0 | 4*1 | 2·0 | 3*0 | 2*1 | 2*0 | 3*0 | 2*2 | 2*1 | 4*0 |
| | Rainfall ... | 3*1 | 4*0 | 2*1 | 3*0 | 3*0 | 4*0 | 5*0 | 3*0 | 6*0 | 4*0 | 3*0 | 5*0 |
| | Sunshine ... | 2*1 | 1*0 | 0*1 | 1*3 | 0*3 | 0*0 | 1*0 | 1*1 | 0*1 | 2*1 | 1*1 | 0*3 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 1913. Mar. 2nd.-May 31st. 13 weeks. | Warmth ... | 2*5 | 2*5 | 5*2 | 5*2 | 4*2 | 4*2 | 2*4 | 4*3 | 3*2 | 1*3 | 1*3 | 3*4 |
| | Rainfall ... | 6*2 | 5*3 | 5*4 | 5*2 | 7*3 | 6*1 | 8*2 | 7*3 | 6*1 | 7*2 | 6*1 | 7*3 |
| | Sunshine ... | 3*3 | 2*3 | 1*4 | 2*6 | 2*5 | 2*4 | 1*8 | 1*4 | 0*6 | 2*5 | 1*6 | 0*10 |
| SUMMER, 1913. June 1st-Aug. 30th. 13 weeks. | Warmth ... | 4*3 | 2*4 | 3*5 | 3*5 | 3*5 | 2*6 | 3*4 | 3*5 | 5*5 | 3*5 | 4*4 | 1*6 |
| | Rainfall ... | 2*8 | 1*9 | 0*10 | 1*5 | 0*9 | 1*9 | 2*7 | 3*8 | 1*11 | 1*8 | 2*9 | 1*5 |
| | Sunshine ... | 4*5 | 4*4 | 4*7 | 2*7 | 2*8 | 1*7 | 5*5 | 6*5 | 3*4 | 6*6 | 5*4 | 3*9 |
| AUTUMN, 1913. Aug. 31st-Nov. 29th. 13 weeks. | Warmth ... | 6*0 | 8*0 | 8*0 | 10*0 | 11*0 | 11*0 | 6*0 | 9*0 | 9*0 | 8*0 | 9*2 | 11*0 |
| | Rainfall ... | 4*4 | 2*4 | 4*6 | 5*6 | 5*4 | 5*5 | 2*4 | 4*6 | 3*5 | 3*2 | 7*1 | 4*3 |
| | Sunshine ... | 5*4 | 5*6 | 6*3 | 4*1 | 4*3 | 5*2 | 1*4 | 6*3 | 4*6 | 2*5 | 2*6 | 2*4 |
| WINTER, 1913-14. Nov. 30th-Feb. 28th. 13 weeks. | Warmth ... | 6*3 | 7*2 | 7*2 | 9*3 | 7*4 | 7*4 | 4*2 | 8*3 | 7*4 | 7*2 | 7*4 | 6*4 |
| | Rainfall ... | 5*2 | 5*4 | 1*7 | 3*9 | 2*8 | 3*5 | 5*4 | 5*6 | 3*5 | 5*5 | 4*6 | 5*7 |
| | Sunshine ... | 3*1 | 2*2 | 1*2 | 3*4 | 2*6 | 4*4 | 2*6 | 2*0 | 3*5 | 1*9 | 1*7 | 2*5 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(994—19.) Wt. 229—611. 450. 4/14. D & S. G. 17/ 36.

## II.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.]

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| **0.** SCOTLAND, N. | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr | % | | | ° | ° | ° | ° | |
| *p Baltasound* | *31* | *51* | *10th* | *36* | *9th* | *48·3* | *40·8* | *44·4* | — | *22* | *3* | *7* | *0·71* | — | *4·1* | — | *31* | • | • | 44·1 | • | • | • | *Baltasound.* |
| *a*, Islands.. *a* Lerwick.. | 54 | 49 | 10th | 37 | 9th | 46·9 | 40·7 | 43·7 | + 3·7 | 17 | 4 | 7 | 1·02 | — | 2·6 | - 1·7 | 20 | • | • | • | • | • | • | Deerness. |
| *a* Stornoway .. | 51 | 51 | 6th | 38 | 9th | 49·0 | 40·6 | 44·6 | + 3·0 | 24 | 4 | 7 | 2·02 | + 1·25 | ? | ? | ? | • | • | • | • | • | • | Stornoway. |
| *a Castlebay, Barra Isd.* .. | *37* | *49* | *9, 10* | *40* | *10th* | *47·6* | *42·0* | *44·7* | *+ 1·6* | *19* | *0* | *7* | *1·04* | — | *2·6* | — | *20* | • | • | • | • | • | • | *Castlebay.* |
| *a* Wick .. .. .. | 81 | 54 | 6th | 35 | 9th | 47·9 | 39·7 | 43·6 | + 2·1 | 21 | 6 | 5 | 0·35 | - 0·12 | • | • | • | • | • | • | • | • | • | |
| *b*, Main- *p* Strathpeffer .. .. | 200 | 53 | 5th | 32 | 9th | 48·2 | 38·0 | 43·7 | + 2·0 | 29 | 11 | 7 | 0·50 | + 0·03 | 2·7 | - 1·3 | 21 | • | • | • | • | • | • | Strathpeffer. |
| land. *p* Glencarron .. .. | 500 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *p* Fort Augustus.. .. | 68 | 51 | 10th | 31 | 9th | 48·3 | 38·4 | 43·1 | + 1·4 | 23 | 10 | 7 | 1·89 | + 1·26 | 1·8 | - 1·5 | 14 | • | • | • | • | • | • | Fort Augustus. |
| *p* Fort William .. .. | 175 | 51 | 10th | 34 | 9th | 48·7 | 38·9 | 43·6 | + 1·1 | 24 | 9 | 7 | 3·27 | + 2·13 | • | • | • | • | • | • | • | • | • | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | 3·6 | • | 28 | 2 | 24 | 43·2 | +2·2 | 41·5 | +1·2 | |
| *p* Gordon Castle .. .. | 101 | 56 | 10th | 36 | 9th | 52·9 | 39·7 | 46·0 | + 3·6 | 38 | 6 | 3 | 0·09 | - 0·36 | *4·1* | — | *31* | • | • | • | • | • | • | Crathes S. |
| *a* Nairn .. .. | 82 | 55 | 10th | 30 | 9th | 51·1 | 37·3 | 43·9 | + 2·1 | 33 | 13 | 6 | 0·21 | - 0·12 | 4·1 | — | 31 | • | • | • | • | • | • | *Gordon Castle.* |
| *a* Aberdeen .. .. | 46 | 57 | 11th | 34 | 5th | 52·6 | 38·7 | 45·3 | + 3·2 | 37 | 9 | 4 | 0·26 | - 0·21 | 3·8 | - 0·8 | 29 | • | • | • | • | 42·3 | +1·3 | Nairn. |
| *a* Balmoral .. .. | 930 | 48 | 10th | 33 | 9th | 45·4 | 34·9 | 39·9 | + 1·5 | 10 | 25 | 4 | 0·58 | + 0·03 | • | • | • | 2 | 20 | • | • | • | • | Aberdeen. |
| *p* Crieff .. .. .. | 440 | 53 | 10th | 32 | 9th | 50·0 | 36·4 | 42·9 | + 0·2 | 30 | 16 | 4 | 0·73 | + 0·15 | 4·7 | — | 36 | • | • | • | • | • | • | Balmoral. |
| *a* Leith .. .. .. | 18 | 55 | 10th | 36 | 8th | 52·1 | 39·1 | 45·3 | + 2·0 | 35 | 8 | 5 | 0·49 | + 0·19 | • | • | • | • | • | • | • | • | • | Balrudderv. |
| *a* West Linton .. .. | 800 | 51 | 10th | 27 | 9th | 47·9 | 35·6 | 41·5 | + 1·6 | 17 | 25 | 6 | 1·41 | — | *2·9* | — | *22* | 1 | 23 | • | • | • | • | |
| *p* Marchmont .. .. | 498 | 53 | 10th | 30 | 9th | 51·0 | 37·0 | 43·7 | + 2·7 | 33 | 14 | 5 | 0·47 | - 0·05 | 5·3 | + 1·1 | 41 | 1 | 24 | 43·1 | +2·0 | • | • | *West Linton.* |
| *a Edinburgh* .. .. | *441* | *52* | *5, 9, 10* | *34* | *8th* | *50·3* | *39·3* | *44·5* | — | *29* | *8* | *6* | *0·73* | — | 4·8 | — | 37 | 2 | 29 | • | • | • | • | Marchmont. |
| | | | | | | | | | | | | | | | | | | | | | | | | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *a* Poltalloch .. .. | 132 | 52 | 9, 10 | 36 | 9th | 48·1 | 39·3 | 43·5 | + 0·7 | 22 | 8 | 7 | 1·84 | + 1·17 | • | • | • | • | • | • | • | • | • | |
| *p* Glasgow Observatory | 189 | 53 | 10th | 38 | 7th | 49·4 | 41·1 | 45·1 | + 2·7 | 25 | 3 | 6 | 0·97 | + 0·47 | 2·8 | - 0·8 | 22 | 1 | 28 | • | • | • | • | Glasgow. |
| *p* Rothesay .. .. | 73 | 54 | 10th | 34 | 9th | 48·4 | 40·0 | 44·0 | + 0·6 | 22 | 6 | 7 | 1·29 | + 0·60 | *3·2* | • | *25* | 1 | 29 | 45·4 | • | 45·0 | +2·3 | *Rothesay.* |
| *a* Kilmarnock .. .. | 90 | 53 | 9, 10 | 37 | 9th | 50·6 | 41·4 | 45·8 | + 3·1 | 29 | 2 | 6 | 1·08 | — | *3·2* | — | *25* | • | • | • | • | • | • | *Kilmarnock.* |
| *a* Colmonell .. .. | 150 | 55 | 10th | 30 | 7, 9 | 50·1 | 41·1 | 45·4 | + 1·9 | 28 | 3 | 6 | 0·94 | + 0·30 | • | • | • | 0 | 34 | • | • | • | • | |
| *p* Dumfries .. .. | 160 | 52 | 10th | 32 | 9th | 50·4 | 38·7 | 44·3 | + 1·3 | 30 | 9 | 6 | 0·61 | + 0·05 | *4·4* | — | *34* | 0 | 31 | 45·1 | • | 44·8 | • | *Dumfries.* |
| *p* Cally, Gatehouse .. | 120 | 54 | 8th | 34 | 9th | 50·4 | 38·4 | 44·1 | + 1·3 | 30 | 10 | 5 | 0·57 | - 0·19 | • | • | • | • | • | • | • | • | • | |
| *b*. I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas .. .. .. | 277 | 51 | 5,6,10, 11 | 39 | 8, 9 | 50·0 | 41·3 | 45·4 | + 2·0 | 27 | 2 | 6 | 0·27 | - 0·34 | 7·3 | + 2·0 | 56 | 0 | 31 | • | • | • | • | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle .. | 219 | 57 | 10th | 36 | 9th | 53·4 | 39·4 | 46·1 | + 4·2 | 40 | 7 | 4 | 0·25 | - 0·22 | 6·3 | — | 49 | 2 | 25 | 42·1 | +1·1 | 43·7 | +2·5 | Cockle Park |
| *a* Shields .. .. .. | 96 | 57 | 10th | 38 | 9th | 51·7 | 40·7 | 46·9 | + 4·3 | 40 | 4 | 5 | 0·43 | + 0·11 | • | • | • | • | • | • | • | • | • | |
| *p* Durham .. .. .. | 336 | 56 | 11th | 34 | 8th | 52·0 | 38·4 | 44·9 | + 3·0 | 35 | 10 | 5 | 0·20 | - 0·15 | 5·8 | + 1·7 | 45 | 0 | 31 | • | • | • | • | Durham. |
| *a*, North .. *p* Rounton .. .. | 249 | 57 | 10, 11 | 34 | 8th | 53·6 | 38·3 | 45·6 | + 3·8 | 41 | 10 | 5 | 0·38 | - 0·06 | • | • | • | 2 | 29 | 45·2 | • | • | • | Rounton. |
| *a West Witton* .. .. | *605* | *56* | *5th* | *37* | *7, 9* | *51·6* | *39·3* | *45·2* | — | *34* | *8* | *6* | *0·81* | — | • | • | • | 0 | 32 | 44·5 | • | 42·4 | • | *West Witton.* |
| *p* Scarborough .. .. | 100 | 58 | 10th | 38 | 8, 9 | 53·1 | 40·3 | 46·4 | + 3·4 | 38 | 5 | 5 | 0·39 | - 0·01 | 5·5 | — | 42 | • | • | • | • | 46·0† | • | Scarborough. |
| *p* York .. .. .. | 56 | 57 | 10th | 35 | 8th | 53·7 | 40·7 | 46·9 | + 3·2 | 40 | 4 | 6 | 0·33 | - 0·06 | 4·4 | + 0·4 | 34 | • | • | 45·5 | +2·8 | 44·9 | +2·7 | York. |
| *a* Spurn Head .. .. | 26 | 57 | 5, 10 | 38 | 8th | 53·1 | 40·9 | 46·7 | + 3·5 | 38 | 3 | 7 | 0·72 | + 0·45 | *3·2* | — | *25* | 1 | 29 | 44·4 | +1·9 | 44·3 | +2·3 | *Hull.* |
| *b*, South .. *a* Lincoln .. .. | 58 | 58 | 10th | 35 | 8th | 54·9 | 40·3 | 46·8 | + 2·9 | 41 | 5 | 6 | 0·44 | + 0·11 | *4·6* | — | *35* | • | • | • | • | • | • | *Spurn Head.* |
| *a* Fulbeck .. .. | 180 | 57 | 10th | 35 | 8th | 53·4 | 39·6 | 46·2 | + 2·5 | 39 | 7 | 7 | 0·67 | + 9·31 | • | • | • | • | • | 45·2 | +2·5 | 44·9 | +2·6 | Lincoln. |
| | | | | | | | | | | | | | | | 5·8 | — | 45 | 3 | 29 | 47·0 | +3·2 | 45·3 | +2·0 | Ranceby. |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | 4·3 | — | 33 | • | • | • | • | • | • | Skegness. |
| *p* Cromer .. .. .. | 196 | 59 | 10th | 35 | 8th | 55·1 | 40·1 | 47·2 | + 4·8 | 44 | 5 | 6 | 0·19 | — | *5·6* | — | *43* | 0 | 31 | 47·7 | +3·5 | 46·1 | +2·6 | *Lowestoft,* |
| *p* Little Massingham .. | 280 | 58 | 10th | 33 | 8th | 54·4 | 39·1 | 46·4 | + 2·7 | 43 | 8 | 5 | 0·19 | - 0·20 | 5·2 | — | 40 | • | • | • | • | • | • | Cromer. |
| *a*, North .. *a* Yarmouth .. | 17 | 60 | 10th | 35 | 8, 9 | 55·7 | 39·9 | 47·4 | + 4·8 | 47 | 6 | 4 | 0·41 | + 0·07 | 4·7 | + 0·2 | 36 | 1 | 29 | • | • | • | • | Lit. Massingham. |
| *a* Norwich .. .. | 93 | 60 | 10th | 35 | 8th | 56·3 | 40·6 | 48·1 | + 5·0 | 49 | 4 | 6 | 0·47 | — | 5·4 | — | 42 | • | • | 47·3 | +3·1 | 47·0 | +2·3 | Yarmouth. |
| *a* Geldeston .. .. | 37 | 60 | 10th | 34 | 8th | 56·7 | 40·9 | 48·4 | + 5·0 | 49 | 3 | 6 | 0·33 | - 0·03 | *5·0* | • | *39* | 0 | 32 | 46·3 | • | • | • | *Norwich.* |
| | | | | | | | | | | | | | | | 5·0 | + 0·1 | 39 | • | • | • | • | • | • | Geldeston. |
| *p* Cambridge .. .. | 41 | 60 | 11th | 34 | 8th | 56·9 | 39·7 | 47·9 | + 3·7 | 51 | 6 | 6 | 0·39 | + 0·07 | 5·3 | + 0·5 | 41 | 1 | 30 | 47·1 | +2·5 | 46·2 | +2·2 | Cambridge. |
| *a Felixstowe* .. .. | *10* | *57* | *6th* | *36* | *8th* | *55·6* | *43·1* | *49·1* | *+ 5·5* | *50* | *0* | *6* | *0·33* | — | *6·1* | — | *47* | • | • | • | • | • | • | *Felixstowe.* |
| *a* Clacton-on-Sea .. | 54 | 57 | 6th | 37 | 8th | 55·0 | 42·9 | 48·7 | + 5·4 | 47 | 0 | 5 | 0·35 | — | 5·9 | — | 46 | 0 | 33 | 48·6 | +4·3 | 47·8 | +2·7 | Clacton. |
| *b*, South .. *a* Rothamsted .. .. | 424 | 58 | 11th | 34 | 8th | 55·3 | 39·7 | 47·1 | + 3·7 | 45 | 6 | 5 | 0·66 | + 0·28 | 6·0 | + 1·5 | 47 | • | • | • | • | • | • | Rothamsted. |
| *a Shoeburyness* .. .. | *13* | *58* | *11th* | *38* | *8th* | *54·3* | *43·6* | *48·7* | *+ 3·7* | *47* | *0* | *6* | *0·37* | *+ 0·11* | *5·0* | — | *39* | 0 | 33 | 47·9 | +3·5 | • | • | *Southend.* |
| *p* Tottenham .. .. | 51 | 57 | 11th | 35 | 9th | 53·0 | 42·1 | 47·3 | + 2·8 | 37 | 0 | 5 | 0·52 | — | 5·8 | — | 45 | 0 | 33 | • | • | 46·7 | +2·6 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate .. .. | 476 | 56 | 10th | 37 | 7-9 | 51·7 | 38·6 | 44·8 | + 2·6 | 34 | 10 | 5 | 0·77 | + 0·31 | *4·7* | — | *36* | 0 | 33 | 44·6 | +3·4 | 43·4 | +2·8 | *Huddersfield.* |
| *a* Bawtry .. .. .. | 65 | 58 | 10th | 36 | 8th | 54·1 | 40·7 | 47·1 | + 3·4 | 41 | 4 | 6 | 0·51 | + 0·18 | 5·3 | — | 41 | 0 | 32 | 43·5 | +2·1 | 43·9 | +2·4 | Harrogate. |
| *p Buxton* .. .. .. | *987* | *60* | *10, 11* | *36* | *8, 9* | *51·3* | *37·6* | *44·1* | *+ 3·7* | *33* | *12* | *7* | *0·93* | *+ 0·19* | 4·1 | + 0·1 | 32 | 2 | 27 | 45·7 | • | 45·4 | • | Worksop. |
| *a*, East .. *a* Nottingham .. .. | 82 | 57 | 10th | 35 | 8th | 53·7 | 39·3 | 46·2 | + 2·6 | 41 | 8 | 7 | 0·47 | + 0·13 | *3·5* | — | *27* | 5 | 26 | 43·5 | +2·5 | 43·4 | +2·3 | *Buxton.* |
| *p* Birmingham, Edgbsn. | 535 | 58 | 6th | 35 | 8th | 53·0 | 39·3 | 45·8 | + 2·4 | 38 | 8 | 6 | 0·84 | + 0·42 | 4·8 | — | 37 | 2 | 27 | 45·5 | +3·2 | 44·3 | +2·9 | Nottingham. |
| *a* Raunds .. .. .. | 204 | 61 | 10th | 33 | 8th | 56·3 | 38·6 | 47·0 | + 3·6 | 49 | 10 | 6 | 0·34 | — | 5·3 | — | 41 | 0 | 31 | 44·3 | +2·3 | 45·3 | +2·0 | Birmingham. |
| *p* Oxford .. .. .. | 208 | 57 | 10th | 35 | 8th | 54·6 | 41·1 | 47·5 | + 3·0 | 42 | 3 | 6 | 0·72 | + 0·40 | *5·4* | — | *42* | 1 | 26 | 46·9 | • | 45·7 | • | *Raunds.* |
| | | | | | | | | | | | | | | | 5·6 | + 1·1 | 43 | 2 | 28 | • | • | • | • | Oxford. |
| | | | | | | | | | | | | | | | 5·0 | — | 39 | 0 | 32 | 45·0 | +3·4 | 44·0 | +2·7 | Sheffield. |
| *a* Cheadle .. .. .. | 646 | 55 | 10th | 31 | 7th | 51·6 | 37·3 | 44·1 | + 1·7 | 34 | 13 | 6 | 0·65 | + 0·17 | • | • | • | 3 | 24 | • | • | • | • | Cheadle. |
| *p* Shrewsbury .. .. | 191 | 58 | 10th | 36 | 8th | 53·4 | 40·6 | 47·6 | + 2·9 | 45 | 4 | 7 | 0·58 | — | • | • | • | 0 | 33 | • | • | • | • | Shrewsbury. |
| *b*, West .. *a* Hereford§ .. .. | 291 | 57 | 6, 11 | 33 | 8th | 54·4 | 40·1 | 46·9 | + 2·4 | 42 | 5 | 6 | 0·94 | + 0·55 | *5·9* | — | *46* | 1 | 27 | 45·5 | • | • | • | *Malvern.§* |
| *a* Cirencester .. .. | 446 | 57 | 6, 8, 10 | 33 | 8th | 54·2 | 41·3 | 47·4 | + 4·3 | 41 | 2 | 6 | 0·65 | + 0·24 | 5·1 | + 0·5 | 40 | 2 | 28 | 45·5 | • | 45·7 | • | Cirencester. |
| *a* Bath .. .. .. | 68 | 57 | 5, 10 | 34 | 8th | 54·4 | 42·0 | 47·9 | + 3·2 | 41 | 0 | 7 | 1·04 | + 0·57 | ?4·4 | — | ?34 | • | • | • | • | • | • | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Kew .. .. .. | 18 | 58 | 11th | 37 | 8th | 54·6 | 42·1 | 48·1 | + 3·2 | 43 | 0 | 6 | 0·69 | + 0·33 | • | • | • | 0 | 32 | 48·3 | +5·0 | 47·4 | +2·7 | Canterbury. |
| *a* Marlborough .. .. | 424 | 56 | 5, 10, 11 | 32 | 8th | 52·3 | 39·7 | 45·7 | + 2·8 | 36 | 6 | 6 | 0·91 | + 0·43 | 5·6 | + 1·3 | 43 | 2 | 28 | 47·5 | +4·1 | 46·6 | +2·4 | Kew. |
| *a* Margate .. .. .. | 35 | 57 | 6, 11 | 36 | 8, 9 | 55·7 | 42·1 | 48·6 | + 4·3 | 46 | 0 | 5 | 0·65 | + 0·34 | 4·2 | 0·0 | 33 | 2 | 23 | • | • | 46·3 | • | Marlborough. |
| *a* Wisley, Surrey .. | 150 | 57 | 10th | 34 | 8th | 54·1 | 41·1 | 47·3 | + 2·1 | 41 | 3 | 5 | 0·68 | — | 5·6 | + 0·9 | 43 | 0 | 32 | 47·4 | +4·0 | 47·0 | +3·6 | Margate. |
| | | | | | | | | | | | | | | | 5·6 | — | 43 | 3 | 24 | 46·5 | +3·0 | 45·8 | +1·8 | Wisley. |
| *p* Salisbury (Wilton) .. | 180 | 56 | 5, 11 | 32 | 8th | 54·3 | 40·6 | 47·1 | + 2·2 | 42 | 4 | 6 | 0·84 | + 0·38 | 5·8 | — | 45 | 1 | 30 | 48·5 | +4·0 | 47·1 | +2·4 | Worthing. |
| *a* Tunbridge Wells .. | 418 | | | | | | | | | | | | | | • | • | • | 2 | 29 | 47·4 | • | • | • | Salisbury. |
| *a* Dungeness .. .. | 21 | 55 | 6th | 41 | 7th | 53·1 | 44·0 | 48·3 | + 4·2 | 44 | 0 | 6 | 0·64 | + 0·29 | • | • | • | • | • | • | • | • | • | Tunbridge Wells. |
| *p* Hastings.. .. .. | 178 | 55 | 10th | 38 | 8th | 53·4 | 42·9 | 47·9 | + 2·9 | 41 | 0 | 7 | 0·67 | + 0·25 | 6·3 | — | 49 | • | • | • | • | • | • | Littlestone. |
| *p* Southampton .. .. | 65 | 57 | 6, 11 | 34 | 8th | 54·3 | 42·1 | 47·9 | + 0·4 | 41 | 0 | 6 | 1·11 | + 0·67 | *5·5* | + *0·3* | *43* | 1 | 28 | 49·2 | • | 46·7 | • | *Hastings.* |
| *a* Ventnor .. .. .. | 80 | 59 | 6th | 41 | 8th | 54·6 | 44·0 | 49·1 | + 3·0 | 50 | 0 | 7 | 0·90 | + 0·59 | 4·7 | — 0·3 | 37 | 1 | 30 | • | • | • | • | Southampton. |
| | | | | | | | | | | | | | | | 5·7 | + 0·2 | 44 | • | • | • | • | • | • | Ventnor. |
| | | | | | | | | | | | | | | | *5·2* | — | *40* | 1 | 27 | 49·2 | +3·6 | 48·6 | +2·4 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 5·5 | + 0·3 | 43 | • | • | 48·4 | • | 47·4 | • | Eastbourne. |
| | | | | | | | | | | | | | | | *4·5* | — | *35* | • | • | 47·4 | • | 46·9 | • | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | *5·3* | + *0·3* | *41* | 1 | 29 | • | • | 46·4 | • | *Brighton.* |
| *a Westminster* .. .. | *27* | *59* | *11th* | *36* | *8th* | *56·4* | *42·9* | *49·3* | *+ 4·4* | *51* | *0* | *6* | *0·50* | *+ 0·15* | *5·9‖* | *+ 2·8* | *46* | 0 | 31 | • | • | • | • | *Westminster.* |
| *a Greenwich* .. .. | *155* | *61* | *11th* | *36* | *8th* | *56·9* | *41·0* | *48·6* | *+ 3·4* | *50* | *3* | *6* | *0·33* | *+ 0·53* | *6·4* | *+ 2·2* | *50* | 2 | 28 | • | • | • | • | *Greenwich.* |
| *a Hampstead* .. .. | *450* | *67* | *11th* | *34* | *8th* | *53·1* | *40·9* | *46·7* | — | *38* | *3* | *6* | *0·65* | — | *5·6* | — | *43* | 2 | 27 | • | • | • | • | *Hampstead.* |
| *a Camden Square* .. | *110* | *60* | *10, 11* | *35* | *8th* | *57·1* | *41·6* | *49·0* | — | *51* | *1* | *6* | *0·58* | — | *5·4* | — | *42* | 1 | 30 | • | • | • | • | *Camden Square.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | *3·8* | — | *29* | 0 | 32 | 44·2 | +3·5 | 43·7 | +2·9 | *Burnley.* |
| *p* Aspatria .. .. .. | 250 | 52 | 10, 11 | 38 | 8th | 50·3 | 40·6 | 45·2 | + 2·9 | 28 | 4 | 4 | 0·72 | + 0·17 | 5·6 | — | 43 | • | • | • | • | • | • | Hoylake. |
| *p* Newton Rigg .. .. | 559 | 53 | 10th | 36 | 7, 8 | 50·6 | 38·1 | 44·1 | + 2·4 | 31 | 11 | 6 | 1·10 | + 0·57 | 3·8 | — | 29 | 0 | 32 | 45·8 | • | 45·0 | • | Aspatria. |
| *p* Stonyhurst .. .. | 375 | 53 | 10th | 39 | 8, 9 | 49·9 | 40·3 | 44·9 | + 2·4 | 27 | 5 | 6 | 0·59 | - 0·08 | 4·9 | + 0·5 | 38 | 5 | 25 | 44·7 | +2·6 | 43·4 | +2·1 | Newton Rigg. |
| *p* Blackpool .. .. | 66 | 54 | 10th | 40 | 9th | 51·9 | 42·4 | 46·9 | + 3·6 | 34 | 0 | 3 | 0·12 | - 0·35 | 3·3 | - 1·0 | 25 | 2 | 28 | • | • | • | • | Stonyhurst. |
| *p* Manchester (Whit. Pk.) | 125 | 54 | 10th | 37 | 8th | 51·9 | 41·7 | 46·6 | + 2·2 | 33 | 1 | 7 | 0·63 | + 0·17 | 4·9 | + 0·6 | 38 | 0 | 37 | 46·0 | • | 45·8 | • | Blackpool. |
| *a* Liverpool (Ridston) .. | 188 | 54 | 5, 9, 10 | 39 | 9th | 52·1 | 41·9 | 46·8 | + 2·3 | 34 | 0 | 6 | 0·40 | 0·00 | *3·3* | *+ 0·2* | *25* | • | • | • | • | • | • | *Whit. Park.* |
| *a Hawarden Bridge* .. | *22* | *56* | *10th* | *40* | *8, 9* | *54·1* | *42·6* | *48·1* | *+ 2·8* | *43* | *0* | *6* | *0·38* | *+ 0·06* | *4·9* | — | *38* | • | • | • | • | • | • | *Liverpool.* |
| | | | | | | | | | | | | | | | *4·8* | *+ 0·2* | 37 | 0 | 33 | 47·3 | +4·0 | 46·7 | +3·4 | *Southport.* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | *3·4* | — | *26* | 0 | 33 | 45·0 | +3·1 | 46·2 | +3·3 | *Manchester (City).* |
| *p* Llandudno .. .. | 71 | 55 | 10th | 38 | 9th | 52·1 | 41·7 | 46·7 | + 1·9 | 34 | 1 | 4 | 0·18 | - 0·26 | 4·9 | + 0·4 | 38 | • | • | • | • | • | • | Llandudno. |
| *a* Holyhead .. .. | 57 | 53 | 11th | 42 | 7, 8 | 51·3 | 44·3 | 47·6 | + 3·0 | 39 | 0 | 3 | 0·26 | - 0·27 | *6·1* | — | *47* | • | • | • | • | • | • | *Holyhead.* |
| | | | | | | | | | | | | | | | 3·3 | — | 25 | • | • | • | • | • | • | Aberdovey. |

* For note see also opposite page.

† At 3 feet.

‖ Hoar frost.

§ The temperature on the grass refers to Hereford.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | **Temperature of the Air.** In Degrees Fahrenheit. | | | | | | | | | **Rainfall.** | | | **Bright Sunshine.** Hours per Day. | | | **Ground Temperature.** | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 3·5 | — | 27 | * | * | * | * | * | * | Aberystwyth. |
| *a* Llangammarch Wells | 550 | 54 | 10th | 34 | 8th | 51·0 | 39·9 | 45·2 | + 2·6 | 31 | 6 | 6 | 1·56 | — | 4·1 | — | 32 | 1 | 27 | 45·3 | +2·6 | 45·8 | +2·2 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 51 | 5th | 41 | 8th | 49·4 | 44·3 | 46·7 | + 2·1 | 33 | 0 | 5 | 0·46 | - 0·02 | 5·6 | + 0·4 | 43 | * | * | * | * | * | * | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 56 | 10th | 37 | 8th | 52·6 | 42·1 | 47·1 | + 1·4 | 36 | 0 | 6 | 2·09 | + 1·47 | *4·8* | — | *37* | 1 | 29 | 47·9 | +4·6 | 46·9 | +3·3 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 57 | 10th | 37 | 8th | 53·7 | 42·7 | 47·9 | + 2·7 | 41 | 0 | 6 | 1·18 | + 0·66 | *5·1* | — | *40* | 0 | 35 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 54 | 11th | 34 | 8th | 51·1 | 39·7 | 45·1 | + 1·7 | 31 | 6 | 6 | 0·90 | + 0·39 | * | * | * | * | * | 46·5 | * | 45·9 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 54 | 9, 10 | 32 | 7th | 50·7 | 38·0 | 44·1 | + 0·4 | 32 | 11 | 6 | 2·30 | + 1·57 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *55* | *9th* | *40* | *8th* | *52·0* | *43·4* | *47·5* | + *1·5* | *39* | *0* | 7 | *1·11* | + *0·64* | 5·1 | 0·0 | 40 | 0 | 35 | 49·4 | * | 48·6 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 57 | 10, 11 | 33 | 8th | 54·3 | 41·7 | 47·7 | + 2·8 | 41 | 1 | 6 | 1·12 | + 0·60 | 4·2 | - 0·5 | 33 | 2 | 28 | 48·5 | * | * | * | Cullompton. |
| *a* Portland .. .. | 19 | 52 | 9, -, 11 | 42 | 8th | 50·9 | 45·4 | 48·0 | + 2·5 | 42 | 0 | 7 | 0·50 | — | *5·2* | — | *40* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 56 | 11th | 39 | 8th | 53·0 | 44·0 | 48·3 | + 2·3 | 44 | 0 | 6 | 0·83 | + 0·29 | 4·7 | - 0·4 | 36 | 0 | 35 | 49·7 | +3·7 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 55 | 9, 11 | 40 | 9th | 53·1 | 43·0 | 47·8 | + 1·9 | 41 | 0 | 6 | 1·70 | + 1·06 | 5·5 | + 0·2 | 43 | 0 | 35 | 51·1 | * | 50·2 | * | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. *a* Malin Head .. .. | 208 | 55 | 9th | 36 | 9th | 49·9 | 40·0 | 44·7 | + 1·1 | 27 | 6 | 7 | 1·12 | + 0·67 | * | * | * | * | * | * | * | * | * | |
| *a* Blacksod Point .. | 37 | 52 | 9th | 38 | 7th | 50·0 | 41·6 | 45·6 | + 0·6 | 27 | 1 | 7 | 1·55 | + 0·82 | * | * | * | * | * | * | * | * | * | |
| *p* Markree Castle .. | 122 | 55 | 9th | 36 | 7th | 52·0 | 39·1 | 45·2 | + 1·5 | 35 | 8 | 6 | 1·05 | + 0·41 | 5·9 | + 1·7 | 45 | 1 | 28 | 47·2 | * | 45·8 | * | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 55 | 9th | 38 | 7, 8 | 53·0 | 40·1 | 46·2 | + 2·5 | 37 | 5 | 6 | 0·71 | + 0·21 | *6·9* | + *2·4* | *53* | * | * | * | * | * | * | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 55 | 9, 11 | 37 | 7th | 52·7 | 39·6 | 45·8 | + 2·2 | 37 | 7 | 5 | 0·64 | + 0·14 | 5·4 | + 1·2 | 42 | 0 | 35 | 46·2 | +2·2 | 45·6 | +1·4 | Armagh. |
| *a* Donaghadee .. .. | 40 | 55 | 10th | 38 | 8, 9 | 52·0 | 41·4 | 46·5 | + 2·6 | 34 | 2 | 7 | 0·66 | + 0·20 | * | * | * | * | * | * | * | * | * | |
| | | | | | | | | | | | | | | | *6·0* | * | *46* | *1* | ? | 48·0 | +3·5 | 47·2 | +2·0 | *Trinity Coll.* |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 6·9 | + 2·1 | 53 | 2 | 25 | * | * | * | * | Phœnix Park. |
| *a*, East .. *p* Dublin, City .. .. | 47 | 58 | 9th | 39 | 7th | 53·6 | 42·1 | 47·6 | + 1·8 | 39 | 0 | 7 | 0·35 | - 0·08 | * | * | * | 0 | 37 | * | * | * | * | Dublin City. |
| *a* Kilkenny .. .. | 195 | 56 | 5th | 34 | 11th | 53·3 | 40·7 | 46·7 | + 2·0 | 38 | 4 | 6 | 0·42 | - 0·08 | * | * | * | * | * | * | * | * | * | |
| *a* Waterford .. .. | 100 | 55 | 9, 11 | 36 | 11th | 52·9 | 41·9 | 47·1 | + 2·3 | 36 | 0 | 5 | 0·49 | - 0·14 | * | * | * | * | * | * | * | * | * | |
| *a Seskin, Carrick-on-Suir* | *541* | *54* | *5, 10, 11* | *37* | *7, 8* | *52·7* | *39·9* | *46·0* | — | *37* | *6* | *6* | *0·70* | — | 7·9 | — | *61* | 1 | 30 | * | * | * | * | *Carrick-on-Suir.* |
| *b*, West .. *a* Birr Castle .. .. | 175 | 55 | 9th | 38 | 7, 8 | 53·0 | 40·1 | 46·2 | + 2·5 | 37 | 5 | 6 | 0·71 | + 0·21 | 6·9 | + 2·4 | 53 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes .. .. .. | 50 | 55 | 9th | 39 | 7, 11 | 52·9 | 41·7 | 47·0 | + 1·3 | 36 | 1 | 6 | 0·70 | + 0·12 | * | * | * | * | * | * | * | * | * | |
| *a* Cahir .. .. .. | 198 | 56 | 9, 10 | 33 | 11th | 53·7 | 39·4 | 46·2 | + 1·8 | 40 | 7 | 7 | 0·80 | — | * | * | * | * | * | * | * | * | * | |
| *a* Killarney .. .. | 174 | 55 | 5, 9, 10 | 40 | 7th | 53·7 | 42·6 | 47·9 | + 2·5 | 41 | 0 | 7 | 1·54 | + 0·65 | * | * | * | * | * | * | * | * | * | |
| *a* Valencia .. .. | 30 | 53 | 5, 9 | 42 | 7-9 | 51·1 | 43·6 | 47·2 | + 0·8 | 34 | 0 | 7 | 0·91 | - 0·04 | 5·3 | + 0·5 | 41 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. .. | 32 | 54 | 11th | 41 | 7, 8, 11 | 51·9 | 42·6 | 47·0 | + 1·0 | 35 | 0 | 7 | 0·44 | - 0·21 | 6·9 | — | 54 | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 54 | 9, 10, 11 | 41 | 8th | 52·9 | 44·0 | 48·2 | + 1·0 | 43 | 0 | 7 | 1·15 | + 0·68 | 6·0 | + 0·7 | 47 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 60 | 11th | 43 | 8, 9 | 55·6 | 46·0 | 50·6 | + 4·5 | 60 | 0 | 5 | 0·33 | - 0·17 | 4·5 | - 1·2 | 35 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 57 | 10th | 41 | 8th | 53·9 | 45·3 | 49·4 | + 3·2 | 52 | 0 | 5 | 0·80 | + 0·24 | 5·2 | - 0·5 | 46 | 0 | 42 | 50·6 | +2·8 | 49·0 | +2·2 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 5·7 hrs. 44 °/₀; Ramsgate,* hrs. °/₀; *Rhyl, 5·7 hrs. 44 °/₀; Salcombe, 5·6 hrs. 43 °/₀; Tenby, 5·2 hrs. (−0·2) 40 °/₀; Torquay, 5·1 hrs. (−0·2) 40 °/₀.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Apr. 11th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 45 | 44 | 44·4 | +1·0 |
| Kirkwall .. .. | 46 | 45 | 45·7 | +2·9 |
| Wick .. .. .. | 45 | 44 | 44·1 | +0·9 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 47 | 43 | 45·2 | +3·0 |
| Pennan Bay .. .. | 45 | 44 | 44·2 | +1·5 |
| Aberdeen, Cove Bay | 44 | 43 | 43·5 | +0·8 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 46 | 45 | 45·7 | +1·4 |
| Ballantrae .. .. | 50 | 42 | 45·3 | +0·9 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 43 | 37 | 40·0 | -1·1 |
| Scarborough .. .. | 49 | 44 | 46·7 | +4·4 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 48 | 46 | 46·8 | +4·6 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 49 | 46 | 47·6 | +3·4 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 47 | 46 | 46·7 | +2·0 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 51 | 50 | 50·1 | +2·1 |
| Scilly .. .. .. | 50 | 50 | 50·0 | — |
| Plymouth‡ .. .. | 51 | 49 | 49·6 | +2·2 |
| Salcombe .. .. | 53 | 49 | 50·3 | +3·9 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 48 | 46 | 46·9 | +0·6 |
| Teelin .. .. .. | 48 | 46 | 46·8 | +0·2 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 48 | 46 | 47·0 | +0·8 |
| Seafield .. .. | 51 | 44 | 47·5 | -0·6 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, April 11th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Aberdeen .. .. | 105 | — | — | 10th | 6 | 83 | 79 | SW. by S. 12 | 10th 13h. | 23 10th 18.55 |
| Rosyth .. .. | 73 | — | — | — | — | — | — | — | — — | — — — |
| **6** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 5 to 7, 9 to 11 | 75 | 58 | 35 | WSW. 17 | 6th 12h. | 26 6th 12.15 |
| Paisley (Coats Obs.) | 80 | — | — | 6, 9 | 9§ | 94§ | 51§ | WNW. 13 | 6th 11h. | 27 6th 10.30 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 91 | 77 | W. 11 | 6th 16h. | 21 6th 14.30 |
| South Shields .. | 61 | — | — | 6, 9, 10 | 21 | 77 | 70 | W. 14 | 6th 12.13h. | 25 6th 15.10 |
| Spurn Head .. | 40 | — | — | 5, 6, 9 | 12 | 110 | 46 | W. by S. 14 | 6th 15h. | 21 6th 15. 0 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 5, 6, 9, 10 | 23 | 101 | 44 | — 15 | 9th 16h. | 22 6th 14.10 |
| Shoeburyness .. | 90 | — | — | 5, 6, 9, 10 | 26 | 94 | 48 | SSW. 15 | 9th 16h. | 23 6th 14.10 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 5 to 7, 9, 10 | 39§ | 78§ | 28§ | — 15 | 9th 22h. | 23 7th 15.40 |
| Warlingham .. | 33 | — | — | 9th | 4 | 92 | 72 | — 14 | 9th 15h. | 25 9th 15.15 |
| Brighton .. .. | 53 | — | — | 6, 9 | 4 | 110 | 54 | — 12 | 9th 15h. | 19 7th 3. 0 |
| Kew .. .. .. | 40 | — | — | 6th | 9 | 90 | 69 | — 13 | 6th 11h. | 22 6th 14.10 |
| South Kensington | 92 | — | — | — | — | 52 | 116 | W. 13 | 6th 12h. | 17 6th 14.25 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Southport .. .. | 62 | 6th | 2 | 5 to 10 | 74 | 67 | 25 | W. by S. 18 | 6th 3h. | 30 6th 12.50 |
| Holyhead .. .. | 40 | — | — | 5 to 10 | 16 | 87 | 19 | WSW. 16 | 6th 12h. | 26 6th 12.30 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | 9, 10 | 6§ | 5 to 7, 9, 10 | 79§ | 51§ | 9§ | SW. 19 | 9th 13h. | 25 6th 2.45 |
| Plymouth .. .. | 88 | 9th | 3§ | 6, 7, 9 to 11 | 24§ | 87§ | 30§ | — 18 | 9th 10h. | 22 9th 7.45 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 5 to 10 | 74§ | 51§ | 17§ | — 17 | 5th 23h. | 29 5th 19.35 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — — | — — — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | 7, 8 | 2 | 5 to 9 | 63 | 80 | 23 | NW. 19 | 8th 1h. | 24 8th 0.50 |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907–1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

**FOURTEENTH WEEK**—April 5th to April 11th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of: Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees: Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| **0.** SCOTLAND, NORTH ... | 54 | 31 | 48·5 | 39·4 | 43·9 | + 2·9 | 24 | + 4 | 7 | −18 | 7 | + 3 | 1·51 | +0·73 | 2·4 | −2·0 | 18 | 987 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 57 | 23 | 50·4 | 37·3 | 43·6 | + 2·2 | 31 | + 5 | 13 | −13 | 5 | + 1 | 0·53 | +0·09 | 4·4 | −0·2 | 33 | 990 |
| **2.** ENGLAND, N.E. ... ... | 58 | 34 | 53·3 | 39·8 | 46·3 | + 3·8 | 39 | + 14 | 6 | −13 | 6 | + 2 | 0·42 | +0·04 | 5·4 | +0·3 | 41 | 997 |
| **3.** ENGLAND, EAST ... | 60 | 33 | 55·4 | 40·6 | 47·6 | + 3·8 | 45 | + 11 | 4 | −16 | 5 | + 2 | 0·39 | +0·05 | 5·4 | +0·3 | 42 | 1003 |
| **4.** MIDLAND COUNTIES ... | 61 | 31 | 53·9 | 39·9 | 46·6 | + 2·8 | 41 | + 5 | 6 | −15 | 6 | + 3 | 0·68 | +0·27 | 5·0 | +0·3 | 38 | 1002 |
| **5.** ENGLAND, S.E. ... ... | 58 | 32 | 54·0 | 42·1 | 47·8 | + 2·6 | 41 | + 4 | 0 | −12 | 6 | + 3 | 0·79 | +0·47 | 5·4 | +0·4 | 42 | 1005 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 55 | 32 | 49·7 | 40·2 | 44·7 | + 1·9 | 26 | 0 | 5 | −14 | 6 | + 3 | 0·95 | +0·28 | 5·1 | +0·1 | 39 | 994 |
| **7.** ENGLAND, N.W. ... ... | 55 | 36 | 51·3 | 41·4 | 46·1 | + 2·4 | 31 | + 3 | 2 | −14 | 5 | + 1 | 0·50 | −0·02 | 4·6 | +0·4 | 35 | 999 |
| **8.** ENGLAND, S.W. ... ... | 57 | 32 | 52·0 | 42·1 | 46·8 | + 1·5 | 34 | − 1 | 0 | −10 | 6 | + 3 | 1·26 | +0·72 | 4·7 | −0·4 | 36 | 1004 |
| **9.** IRELAND, NORTH ... | 55 | 36 | 51·6 | 40·3 | 45·7 | + 1·7 | 33 | + 3 | 5 | −10 | 6 | + 2 | 0·96 | +0·38 | 5·7 | +1·1 | 44 | 993 |
| **10.** IRELAND, SOUTH ... | 58 | 33 | 52·9 | 41·6 | 47·0 | + 1·4 | 37 | − 1 | 1 | − 9 | 6 | + 3 | 0·71 | +0·09 | 6·5 | +1·4 | 50 | 999 |
| **11.** ENGLISH CHANNEL ... | 60 | 41 | 54·1 | 45·1 | 49·4 | + 2·8 | 52 | + 10 | 0 | − 2 | 6 | + 3 | 0·76 | +0·34 | 5·2 | −0·8 | 41 | 1007 |

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 6 Weeks, March 1st to April 11th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 57 | 22 | * | * | * | * | 83 | + 10 | 137 | − 45 | 36 | + 7 | 6·34 | +0·62 | 3·2 | 0·0 | 27 | 996 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 59 | 16 | * | * | * | * | 106 | + 6 | 166 | − 33 | 30 | + 6 | 4·17 | +1·14 | 3·8 | +0·1 | 32 | 998 |
| **2.** ENGLAND, N.E. ... ... | 65 | 25 | * | * | * | * | 156 | + 43 | 99 | − 59 | 28 | + 6 | 2·48 | +0·16 | 3·8 | −0·3 | 33 | 1000 |
| **3.** ENGLAND, EAST ... | 69 | 25 | * | * | * | * | 190 | + 44 | 84 | − 86 | 30 | + 9 | 4·18 | +2·09 | 3·8 | −0·3 | 32 | 1004 |
| **4.** MIDLAND COUNTIES ... | 67 | 24 | * | * | * | * | 173 | + 21 | 103 | − 68 | 32 | +12 | 3·85 | +1·47 | 3·2 | −0·5 | 27 | 1004 |
| **5.** ENGLAND, S.E. ... ... | 65 | 27 | * | * | * | * | 192 | + 37 | 47 | − 78 | 33 | +14 | 5·92 | +3·53 | 3·7 | −0·4 | 32 | 1005 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 59 | 25 | * | * | * | * | 115 | + 11 | 110 | − 36 | 34 | +10 | 6·66 | +2·00 | 3·9 | +0·2 | 33 | 999 |
| **7.** ENGLAND, N.W. ... ... | 60 | 25 | * | * | * | * | 138 | + 23 | 78 | − 54 | 32 | +10 | 4·30 | +1·07 | 3·6 | +0·1 | 31 | 1002 |
| **8.** ENGLAND, S.W. ... ... | 65 | 24 | * | * | * | * | 182 | + 27 | 45 | − 59 | 36 | +15 | 8·20 | +4·55 | 3·7 | −0·4 | 31 | 1005 |
| **9.** IRELAND, NORTH ... | 59 | 26 | * | * | * | * | 149 | + 17 | 102 | − 20 | 38 | +11 | 5·96 | +2·29 | 3·9 | +0·4 | 33 | 999 |
| **10.** IRELAND, SOUTH ... | 61 | 26 | * | * | * | * | 197 | + 25 | 59 | − 34 | 37 | +14 | 6·30 | +2·28 | 4·2 | +0·1 | 36 | 1002 |
| **11.** ENGLISH CHANNEL ... | 65 | 35 | * | * | * | * | 240 | + 52 | 6 | − 31 | 36 | +13 | 6·72 | +3·70 | 3·9 | −1·0 | 33 | 1007 |

THE YEAR.—Aggregates, &c., for the Period of 14 Weeks, January 4th, 1914, to April 11th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 57 | 16 | * | * | * | * | 159 | + 32 | 367 | −109 | 76 | + 6 | 17·85 | +2·08 | 2·1 | 0·0 | 22 | 1000 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 59 | 15 | * | * | * | * | 193 | + 32 | 437 | − 98 | 64 | + 9 | 9·15 | +1·64 | 2·6 | 0·0 | 27 | 1002 |
| **2.** ENGLAND, N.E. ... ... | 65 | 24 | * | * | * | * | 303 | +120 | 272 | −154 | 60 | + 9 | 5·17 | −0·19 | 2·7 | −0·1 | 27 | 1006 |
| **3.** ENGLAND, EAST ... | 69 | 19 | * | * | * | * | 329 | +106 | 275 | −197 | 57 | + 7 | 7·31 | +2·20 | 2·8 | −0·2 | 28 | 1009 |
| **4.** MIDLAND COUNTIES ... | 67 | 15 | * | * | * | * | 323 | + 81 | 327 | −144 | 60 | +11 | 6·81 | +0·67 | 2·3 | −0·3 | 23 | 1009 |
| **5.** ENGLAND, S.E. ... ... | 65 | 10 | * | * | * | * | 346 | + 88 | 228 | −127 | 61 | +14 | 10·50 | +4·12 | 2·9 | 0·0 | 29 | 1011 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 59 | 18 | * | * | * | * | 226 | + 42 | 293 | − 85 | 74 | +14 | 15·72 | +3·03 | 2·2 | −0·3 | 23 | 1004 |
| **7.** ENGLAND, N.W. ... ... | 60 | 22 | * | * | * | * | 299 | +101 | 215 | −139 | 64 | + 9 | 9·88 | +1·53 | 2·5 | 0·0 | 25 | 1007 |
| **8.** ENGLAND, S.W. ... ... | 65 | 19 | * | * | * | * | 354 | + 65 | 186 | − 93 | 70 | +16 | 14·66 | +4·71 | 2·5 | −0·4 | 25 | 1009 |
| **9.** IRELAND, NORTH ... | 59 | 25 | * | * | * | * | 303 | + 61 | 236 | − 78 | 78 | +14 | 13·48 | +3·93 | 2·3 | −0·2 | 24 | 1002 |
| **10.** IRELAND, SOUTH ... | 61 | 24 | * | * | * | * | 390 | + 53 | 167 | − 72 | 79 | +22 | 15·02 | +4·19 | 2·8 | −0·1 | 28 | 1006 |
| **11.** ENGLISH CHANNEL ... | 65 | 25 | * | * | * | * | 443 | + 59 | 72 | − 35 | 70 | +10 | 12·09 | +3·77 | 3·1 | −0·5 | 30 | 1011 |

M.O., April 14, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 57

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. *Vol. XXXI. (New Series.)* No. 15. FIFTEENTH WEEK, SUNDAY, APRIL 12TH, TO SATURDAY, APRIL 18TH, 1914. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

Early in the week the west and north of these Islands were under the influence of depressions travelling in an easterly direction, and gale force was attained in squalls from the South-Westward on various parts of the north and north-west coasts. After Monday, however, the long series of depressions came to an end, and an anticyclone extended towards Ireland from the Azores region. This system subsequently increased in intensity and moved slowly over the United Kingdom, the wind becoming Easterly and North-Easterly over the south-eastern, southern, and south-western districts, a fresh to strong or high wind at times on the Channel. By the end of the week the centre of the high pressure system had reached the north of Denmark, and the wind in Scotland had shifted to between South and South-East. Generally it was not stronger than a fresh breeze, but at Wick it rose to the force of a gale. Rain fell locally especially in the north and north-west on Sunday and Monday; the falls on the former day were heavy in some places. At Fort William the amount was as much as 1·8 in.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Unusual | Very unusual | Very unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual |
| | Rainfall ... | Heavy | Light | Nought | Nought | Nought | Nought | Moderate | Very light | Nought | Moderate | Light | Nought |
| | Sunshine ... | Very abundant | Very abundant | Very abundant | Very abundant | Very abundant | Very abundant | Very abundant | Very abundant | Very abundant | Very abundant | Very abundant | Very abundant |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 7 weeks from March 1st, 1914. | Warmth ... | 2*0 | 3*0 | 4*0 | 5*1 | 3*0 | 4*0 | 3*1 | 3*0 | 4*0 | 3*2 | 3*1 | 5*0 |
| | Rainfall ... | 4*1 | 4*1 | 2*2 | 3*1 | 3*1 | 4*1 | 5*0 | 3*1 | 6*1 | 4*0 | 3*1 | 5*1 |
| | Sunshine ... | 3*1 | 2*0 | 1*1 | 2*3 | 1*3 | 1*0 | 2*0 | 2*1 | 1*1 | 3*1 | 2*1 | 1*3 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 1913. Mar. 2nd.–May 31st. 13 weeks. | Warmth ... | 2*5 | 2*5 | 5*2 | 5*2 | 4*2 | 4*2 | 2*4 | 4*3 | 3*2 | 1*3 | 1*3 | 3*4 |
| | Rainfall ... | 6*2 | 5*3 | 5*4 | 5*2 | 7*3 | 6*1 | 8*2 | 7*3 | 6*1 | 7*2 | 6*1 | 7*3 |
| | Sunshine ... | 3*3 | 2*3 | 1*4 | 2*6 | 2*5 | 2*4 | 1*8 | 1*4 | 0*6 | 2*5 | 1*6 | 0*10 |
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4*3 | 2*4 | 3*5 | 3*5 | 3*5 | 2*6 | 3*4 | 3*5 | 5*5 | 3*5 | 4*4 | 1*6 |
| | Rainfall ... | 2*8 | 1*9 | 0*10 | 1*5 | 0*9 | 1*9 | 2*7 | 3*8 | 1*11 | 1*8 | 2*9 | 1*5 |
| | Sunshine ... | 4*5 | 4*4 | 4*7 | 2*7 | 2*8 | 1*7 | 5*5 | 6*5 | 3*4 | 6*6 | 5*4 | 3*9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6*0 | 8*0 | 8*0 | 10*0 | 11*0 | 11*0 | 6*0 | 9*0 | 9*0 | 8*0 | 9*2 | 11*0 |
| | Rainfall ... | 4*4 | 2*4 | 4*6 | 5*6 | 5*4 | 5*5 | 2*4 | 4*6 | 3*5 | 3*2 | 7*1 | 4*3 |
| | Sunshine ... | 5*4 | 5*6 | 6*3 | 4*1 | 4*3 | 5*2 | 1*4 | 6*3 | 4*6 | 2*5 | 2*6 | 2*4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth .. | 6*3 | 7*2 | 7*2 | 9*3 | 7*4 | 7*4 | 4*2 | 8*3 | 7*4 | 7*2 | 7*4 | 6*4 |
| | Rainfall ... | 5*2 | 5*4 | 1*7 | 3*9 | 2*8 | 3*5 | 5*4 | 5*6 | 3*5 | 5*5 | 4*6 | 5*7 |
| | Sunshine ... | 3*1 | 2*2 | 1*2 | 3*4 | 2*6 | 4*4 | 2*6 | 2*0 | 3*5 | 1*9 | 1*7 | 2*5 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(1068—19.) Wt. 229—611. 450. 4/14. D & S, G. 17/ 36.

## II.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.]

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | *58* | *18th* | *35* | *15th* | *51·1* | *40·0* | *45·3* | — | *32* | *6* | *4* | *0·67* | — | *4·1* | — | *30* | | | | | | | *Baltasound.* |
| *a*, Islands.. *a* Lerwick | 54 | 50 | 13, 18 | 36 | 15th | 48·3 | 40·4 | 44·2 | + 3·4 | 22 | 4 | 2 | 0·85 | — | 4·8 | + 0·1 | 35 | • | • | • | • | • | • | Deerness. |
| *a* Stornoway | 51 | 64 | 17th | 37 | 14th | 53·9 | 41·1 | 47·2 | + 4·7 | 40 | 3 | 2 | 0·67 | - 0·03 | 7·9 | + 2·9 | 58 | • | • | • | • | • | • | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *56* | *17th* | *39* | *14th* | *50·9* | *43·4* | *47·0* | + *3·2* | *35* | *0* | *3* | *0·35* | — | *7·1* | — | *52* | • | • | • | • | • | • | *Castlebay.* |
| *a* Wick | 81 | 57 | 15th | 35 | 14, 15 | 50·1 | 39·1 | 44·3 | + 2·0 | 28 | 8 | 3 | 0·09 | - 0·36 | • | • | • | • | • | • | • | • | • | |
| *b*, Main- *p* Strathpeffer | 200 | 67 | 17th | 35 | 15th | 58·0 | 38·1 | 47·6 | + 5·0 | 56 | 11 | 2 | 0·19 | - 0·24 | 8·1 | + 3·6 | 59 | • | • | • | • | • | • | Strathpeffer. |
| land. *p* Glencarron | 500 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *p* Fort Augustus | 68 | 68 | 17th | 33 | 15th | 57·1 | 37·4 | 46·8 | + 4·1 | 53 | 13 | 3 | 0·96 | + 0·39 | 6·9 | + 3·3 | 50 | • | • | • | • | • | • | Fort Augustus. |
| *p* Fort William | 175 | 67 | 18th | 38 | 15-17 | 56·9 | 39·7 | 47·9 | + 4·0 | 51 | 6 | 3 | 2·04 | + 1·03 | • | • | • | • | • | • | • | • | • | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | 8·1 | • | 59 | 5 | 23 | 43·9 | +1·8 | 42·4 | +1·2 | Crathes S. |
| *p* Gordon Castle | 101 | 65 | 15th | 36 | 16th | 58·7 | 38·6 | 48·2 | + 5·0 | 58 | 10 | 0 | 0·00 | - 0·40 | *7·4* | — | *54* | • | • | • | • | • | • | *Gordon Castle.* |
| *a* Nairn | 82 | 70 | 17th | 33 | 17th | 59·6 | 36·1 | 47·3 | + 4·6 | 62 | 17 | 2 | 0·10 | - 0·22 | 8·0 | — | 58 | • | • | • | • | • | • | Nairn. |
| *a* Aberdeen | 46 | 57 | 16th | 33 | 16th | 52·4 | 38·0 | 44·9 | + 1·9 | 37 | 11 | 1 | 0·04 | - 0·42 | 6·9 | + 2·0 | 50 | • | • | • | • | 42·8 | +1·1 | Aberdeen. |
| *a* Balmoral | 930 | 65 | 16, 17 | 26 | 15, 17 | 59·9 | 31·7 | 45·1 | + 5·7 | 65 | 29 | 0 | 0·00 | - 0·55 | • | • | • | 4 | 22 | • | • | • | • | Balmoral. |
| *p* Crieff | 440 | 67 | 16th | 32 | 15th | 57·0 | 38·3 | 46·2 | + 2·4 | 53 | 16 | 1 | 0·10 | - 0·44 | 8·2 | — | 60 | • | • | • | • | • | • | Balruddery. |
| *a* Leith | 18 | 66 | 18th | 37 | 15th | 58·4 | 40·1 | 48·8 | + 4·5 | 56 | 5 | 1 | 0·03 | - 0·26 | • | • | • | • | • | • | • | • | • | |
| *a* West Linton | 800 | 64 | 17th | 26 | 15, 16 | 55·6 | 31·9 | 43·2 | + 2·4 | 50 | 28 | 2 | 0·20 | - 0·20 | *7·3* | — | *54* | 4 | 21 | • | • | • | • | *West Linton.* |
| *p* Marchmont | 498 | 64 | 16th | 30 | 15th | 57·4 | 35·0 | 45·7 | + 3·7 | 55 | 20 | 0 | 0·00 | - 0·49 | 8·6 | + 4·1 | 63 | 3 | 26 | 43·9 | +1·5 | • | • | Marchmont. |
| *a Edinburgh* | *441* | *63* | *17, 18* | *36* | *15th* | *56·6* | *39·9* | *47·9* | — | *50* | *6* | *2* | *0·10* | — | 9·0 | — | 66 | 3 | 28 | • | • | • | • | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 65 | 17, 18 | 34 | 15, 16 | 56·4 | 38·6 | 47·1 | + 3·0 | 50 | 10 | 2 | 0·89 | + 0·17 | • | • | • | • | • | • | • | • | • | |
| *p* Glasgow Observatory | 180 | 66 | 17th | 36 | 15th | 56·7 | 39·4 | 47·6 | + 3·9 | 50 | 7 | 3 | 0·30 | - 0·17 | 7·2 | + 3·2 | 53 | 2 | 25 | • | • | • | • | Glasgow. |
| *p* Rothesay | 73 | 65 | 17, 18 | 33 | 15th | 56·3 | 39·1 | 47·3 | + 2·9 | 49 | 8 | 2 | 0·78 | + 0·11 | *7·8* | • | *57* | 3 | 29 | 46·1 | • | 45·3 | +2·0 | *Rothesay.* |
| *a* Kilmarnock | 90 | 67 | 17th | 32 | 15th | 57·1 | 37·9 | 47·0 | + 3·1 | 52 | 11 | 2 | 0·77 | — | *8·5* | — | *63* | • | • | • | • | • | • | *Kilmarnock.* |
| *a* Colmonell | 150 | 64 | 17th | 34 | 16th | 56·7 | 39·0 | 47·4 | + 3·1 | 50 | 8 | 2 | 0·99 | + 0·39 | • | • | • | 0 | 29 | • | • | • | • | |
| *p* Dumfries | 160 | 66 | 18th | 32 | 15th | 57·7 | 37·3 | 47·0 | + 2·6 | 55 | 13 | 2 | 0·17 | - 0·36 | *9·1* | — | *67* | 5 | 27 | 45·5 | • | 45·0 | • | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 65 | 17th | 29 | 15th | 57·3 | 35·0 | 45·6 | + 1·8 | 55 | 20 | 2 | 0·31 | - 0·42 | • | • | • | • | • | • | • | • | • | |
| *b.* I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 58 | 17th | 36 | 15th | 53·6 | 40·6 | 46·8 | + 2·4 | 39 | 4 | 2 | 0·07 | - 0·51 | 9·6 | + 3·9 | 71 | 1 | 28 | • | • | • | • | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 61 | 16th | 30 | 15th | 55·3 | 36·7 | 45·6 | + 2·9 | 47 | 15 | 0 | 0·00 | - 0·45 | 9·3 | — | 68 | 4 | 24 | 44·2 | +2·0 | 44·0 | +1·9 | Cockle Park |
| *a* Shields | 96 | 58 | 16th | 34 | 15th | 54·6 | 38·3 | 46·1 | + 2·9 | 44 | 10 | 0 | 0·00 | - 0·32 | • | • | • | • | • | • | • | • | • | |
| *p* Durham | 336 | 62 | 16th | 32 | 15, 16, 18 | 57·7 | 35·6 | 46·1 | + 3·2 | 56 | 18 | 0 | 0·00 | - 0·35 | 9·9 | + 5·6 | 73 | 5 | 26 | • | • | • | • | Durham. |
| *a*, North *p* Rounton | 249 | 66 | 16th | 29 | 15th | 58·9 | 34·7 | 46·2 | + 3·5 | 60 | 20 | 1 | 0·02 | - 0·38 | • | • | • | 5 | 26 | 46·0 | • | • | • | Rounton. |
| *a West Witton* | *605* | *63* | *16th* | *31* | *15th* | *57·1* | *35·9* | *46·0* | — | *54* | *17* | *1* | *0·02* | — | • | • | • | 5 | 25 | 45·8 | • | 43 0 | • | *West Witton.* |
| *p* Scarborough | 100 | 59 | 13, 14 | 37 | 12th | 54·0 | 39·4 | 46·4 | + 2·6 | 42 | 7 | 0 | 0·00 | - 0·40 | 9·4 | — | 69 | • | • | • | • | 46·5† | • | Scarborough. |
| *p* York | 56 | 65 | 16th | 34 | 16th | 59·7 | 37·7 | 48·2 | + 3·5 | 61 | 12 | 0 | 0·00 | - 0·39 | 9·2 | + 4·9 | 69 | • | • | 46·1 | +2·1 | 45·3 | +2·3 | York. |
| | | | | | | | | | | | | | | | *8·5* | — | *63* | 5 | 27 | 45·0 | +1·1 | 45·0 | +2·3 | *Hull.* |
| *b*, South *a* Spurn Head | 26 | 58 | 13th | 39 | 13-16 | 54·6 | 40·1 | 47·0 | + 3·0 | 43 | 5 | 0 | 0·00 | - 0·26 | *11·2* | • | *84* | • | • | • | • | • | • | *Spurn Head.* |
| *a* Lincoln | 58 | 63 | 16, 18 | 34 | 15th | 60·1 | 37·0 | 48·0 | + 2·9 | 63 | 14 | 0 | 0·00 | - 0·33 | • | • | • | • | • | 46·6 | +2·6 | 45·6 | +2·5 | Lincoln. |
| *a* Fulbeck | 180 | 62 | 16, 18 | 30 | 15th | 59·9 | 35·6 | 47·2 | + 2·4 | 63 | 18 | 1 | 0·01 | - 0·35 | 11·5 | — | 86 | 7 | 21 | 48·0 | +1·9 | 46·0 | +2·0 | Rauceby. |
| | | | | | | | | | | | | | | | 11·3 | — | 84 | • | • | • | • | • | • | Skegness. |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | *10·7* | — | *80* | 0 | 32 | 48·2 | +2·5 | 47·1 | +2·7 | *Lowestoft.* |
| *p* Cromer | 196 | 64 | 13th | 36 | 16th | 56·3 | 39·4 | 47·4 | + 3·5 | 49 | 7 | 1 | 0·01 | — | 11·2 | — | 84 | • | • | • | • | • | • | Cromer. |
| *p* Little Massingham | 280 | 62 | 13, 18 | 34 | 17th | 58·9 | 35·9 | 46·9 | + 2·2 | 60 | 17 | 1 | 0·01 | - 0·39 | 11·2 | + 6·3 | 84 | 6 | 26 | • | • | • | • | Lit. Massingham. |
| *a*, North *a* Yarmouth | 17 | 63 | 13th | 37 | 16th | 55·1 | 39·1 | 46·7 | + 3·1 | 45 | 8 | 0 | 0·00 | - 0·34 | 11·2 | — | 84 | • | • | 48·9 | +2·4 | 48·0 | +2·3 | Yarmouth. |
| *a* Norwich | 93 | 63 | 13th | 29 | 16th | 58·0 | 35·7 | 46·3 | + 2·0 | 57 | 18 | 0 | 0·00 | — | *11·1* | — | *83* | 5 | 20 | 46·8 | • | • | • | *Norwich.* |
| *a* Geldeston | 37 | 66 | 13th | 29 | 17th | 57·9 | 35·9 | 46·4 | + 2·0 | 56 | 17 | 0 | 0·00 | - 0·36 | 10·1 | + 4·9 | 75 | • | • | • | • | • | • | Geldeston. |
| *p* Cambridge | 41 | 62 | 13, 16 | 29 | 16th | 59·7 | 34·0 | 46·2 | + 0·7 | 63 | 22 | 0 | 0·00 | - 0·33 | 10·6 | + 5·5 | 79 | 4 | 27 | 47·9 | +1·6 | 47·1 | +1·8 | Cambridge. |
| *a Felixstowe* | *10* | *67* | *12th* | *35* | *16th* | *53·3* | *40·0* | *46·3* | + *1·7* | *39* | *6* | *0* | *0·00* | — | *11·6* | — | *87* | • | • | • | • | • | • | *Felixstowe.* |
| *b*, South *a* Clacton-on-Sea | 54 | 57 | 14th | 37 | 16th | 53·6 | 40·9 | 47·0 | + 2·5 | 40 | 3 | 0 | 0·00 | — | 11·0 | — | 82 | 1 | 29 | 49·5 | +3·7 | 48·7 | • | Clacton. |
| *a* Rothamsted | 424 | 60 | 13th | 30 | 16th | 57·7 | 34·6 | 45·6 | + 1·2 | 56 | 21 | 0 | 0·00 | - 0·38 | 10·2 | + 5·4 | 76 | • | • | • | • | • | • | Rothamsted. |
| *a Shoeburyness* | *13* | *60* | *13th* | *36* | *15th* | *55·4* | *40·7* | *47·7* | + *1·4* | *45* | *4* | *0* | *0·00* | - *0·25* | *10·6* | — | *79* | 0 | 31 | 50·1 | +3·7 | • | • | *Southend.* |
| *p* Tottenham | 51 | 63 | 13th | 35 | 16th | 57·4 | 39·4 | 48·0 | + 2·3 | 53 | 7 | 0 | 0·00 | — | 10·2 | — | 76 | 1 | 30 | • | • | 47·9 | +3·0 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | *9·5* | — | *71* | 3 | 27 | 45·2 | +2·3 | 44·1 | +2·9 | *Huddersfield.* |
| *a* Harrogate | 476 | 62 | 16th | 33 | 15th | 57·6 | 35·1 | 45·8 | + 2·6 | 56 | 19 | 1 | 0·01 | - 0·43 | 10·9 | — | 81 | 6 | 25 | 44·2 | +1·7 | 44·2 | +1·9 | Harrogate. |
| *a* Bawtry | 65 | 66 | 16th | 29 | 17th | 61·4 | 32·7 | 46·4 | + 1·4 | 70 | 26 | 0 | 0·00 | - 0·33 | 11·0 | + 6·8 | 82 | 7 | 24 | 46·7 | • | 45·9 | • | Worksop. |
| *p Buxton* | *987* | *60* | *16th* | *28* | *15th* | *53·9* | *32·6* | *42·7* | + *1·1* | *44* | *26* | *2* | *0·09* | - *0·61* | *10·1* | — | *75* | 7 | 21 | 44·8 | +2·1 | 44·1 | +2·5 | *Buxton.* |
| *a*, East *a* Nottingham | 82 | 62 | 16, 18 | 31 | 15th | 58·9 | 35·0 | 46·4 | + 1·7 | 60 | 20 | 0 | 0·00 | - 0·35 | 10·9 | — | 81 | 5 | 26 | 46·3 | +2·3 | 44·8 | +2·5 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 61 | 18th | 36 | 15th | 58·3 | 35·4 | 47·9 | + 3·2 | 56 | 10 | 0 | 0·00 | - 0·42 | 10·6 | — | 79 | 3 | 21 | 44·5 | +1·5 | 45·5 | +1·8 | Birmingham. |
| *a* Raunds | 204 | 63 | 13, 18 | 28 | 15, 16 | 61·1 | 32·0 | 45·9 | + 1·3 | 69 | 28 | 0 | 0·00 | — | *10·4* | — | *78* | 6 | 20 | 48·1 | • | 46·6 | • | *Raunds.* |
| *p* Oxford | 208 | 61 | 16-18 | 33 | 15, 16 | 59·3 | 37·0 | 47·6 | + 1·9 | 60 | 14 | 0 | 0·00 | - 0·33 | 10·3 | + 5·5 | 78 | 4 | 26 | • | • | • | • | Oxford. |
| | | | | | | | | | | | | | | | 9·6 | — | 72 | 5 | 27 | 45·6 | +2·8 | 44·7 | +2·8 | Sheffield. |
| *a* Cheadle | 646 | 63 | 18th | 34 | 13-15 | 58·3 | 35·1 | 46·1 | + 2·4 | 58 | 19 | 0 | 0·00 | - 0·47 | • | • | • | 7 | 24 | • | • | • | • | Cheadle. |
| *p* Shrewsbury | 191 | 65 | 18th | 30 | 16th | 61·0 | 34·9 | 47·3 | + 1·5 | 67 | 20 | 0 | 0·00 | — | • | • | • | ? | ? | • | • | • | • | Shrewsbury. |
| *b*, West *a* Hereford§ | 291 | 63 | 17th | 30 | 15th | 60·0 | 33·7 | 46·2 | + 0·5 | 64 | 23 | 0 | 0·00 | - 0·39 | *11·0* | — | *82* | 7 | 24 | 46·3 | • | • | • | *Malvern.*§ |
| *a* Cirencester | 446 | 61 | 18th | 34 | 13, 16 | 56·8 | 38·6 | 47·3 | + 3·0 | 51 | 10 | 1 | 0·01 | - 0·39 | 10·8 | + 5·8 | 81 | 3 | 28 | 46·8 | • | 46·1 | • | Cirencester. |
| *a* Bath | 66 | 65 | 17, 18 | 33 | 12, 15, 16 | 61·0 | 35·7 | 47·7 | + 1·7 | 66 | 18 | 0 | 0·00 | - 0·46 | 11·8 | — | 88 | • | • | • | • | • | • | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | • | • | • | 0 | 31 | 50·4 | +5·3 | 48·5 | +3·0 | Canterbury. |
| *p* Kew | 18 | 64 | 13th | 35 | 16th | 58·0 | 39·1 | 48·1 | + 2·0 | 55 | 8 | 0 | 0·00 | - 0·34 | 10·0 | + 4·6 | 75 | 5 | 25 | 48·2 | +3·0 | 47·4 | +2·6 | Kew. |
| *a* Marlborough | 424 | 62 | 18th | 28 | 16th | 58·4 | 32·9 | 45·0 | + 0·9 | 59 | 25 | 0 | 0·00 | - 0·47 | 9·6 | + 5·1 | 72 | 7 | 22 | • | • | 47·0 | • | Marlborough. |
| *a* Margate | 35 | 65 | 13th | 38 | 12th | 57·3 | 43·3 | 50·0 | + 4·7 | 56 | 0 | 1 | 0·02 | - 0·29 | 10·7 | + 5·7 | 80 | 1 | 30 | 48·4 | +3·4 | 47·6 | +3·3 | Margate. |
| *a* Wisley, Surrey | 150 | 63 | 13th | 30 | 16th | 59·1 | 36·0 | 47·0 | + 0·4 | 60 | 17 | 0 | 0·00 | — | 10·4 | — | 78 | 7 | 19 | 47·5 | +2·2 | 46·5 | +1·7 | Wisley. |
| | | | | | | | | | | | | | | | 10·4 | — | 78 | 0 | 31 | 49·7 | +3·4 | 48·0 | +2·6 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 63 | 17th | 31 | 16th | 58·1 | 35·6 | 46·3 | + 0·2 | 57 | 18 | 0 | 0·00 | - 0·54 | • | • | • | 4 | 28 | 49·3 | • | • | • | Salisbury. |
| *a* Tunbridge Wells | 418 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | Tunbridge Wells. |
| *a* Dungeness | 21 | 58 | 14th | 37 | 15th | 54·4 | 41·3 | 47·5 | + 2·3 | 41 | 2 | 0 | 0·00 | - 0·33 | 11·0 | — | 83 | • | • | • | • | • | • | Littlestone. |
| *p* Hastings | 178 | 60 | 13th | 38 | 16th | 55·9 | 42·1 | 48·7 | + 2·7 | 47 | 0 | 0 | 0·00 | - 0·39 | *10·7* | + *5·1* | *81* | 2 | 30 | 50·1 | • | 47·8 | • | *Hastings.* |
| *p* Southampton | 65 | 63 | 17th | 35 | 12, 16 | 59·9 | 40·3 | 49·6 | + 1·9 | 60 | 5 | 0 | 0·00 | - 0·43 | 10·5 | + 5·2 | 79 | 0 | 31 | • | • | • | • | Southampton. |
| *a* Ventnor | 80 | 59 | 14th | 40 | 15th | 56·0 | 42·9 | 49·1 | + 2·1 | 50 | 0 | 0 | 0·00 | - 0·39 | 9·7 | + 3·9 | 73 | • | • | • | • | • | • | Ventnor. |
| | | | | | | | | | | | | | | | *10·7* | — | *81* | 2 | 28 | 50·1 | +2·9 | 49·3 | +2·3 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 10·4 | + 4·9 | 78 | • | • | 49·5 | • | 48·8 | • | Eastbourne. |
| | | | | | | | | | | | | | | | *10·4* | — | *78* | • | • | 48·0 | • | 47·6 | • | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | *10·7* | + *5·2* | *81* | 1 | 30 | • | • | 47·3 | • | *Brighton.* |
| *a Westminster* | *27* | *64* | *13th*‖ | *38* | *12, 13, 16* | *59·0* | *40·6* | *49·4* | + *3·2* | *58* | *4* | *0* | *0·00* | - *0·34* | *10·1* | + *6·6* | *75* | 0 | 33 | • | • | • | • | *Westminster.* |
| *a Greenwich* | *155* | *66* | *13th* | *34* | *16th* | *59·7* | *38·3* | *48·5* | + *2·1* | *61* | *10* | *0* | *0·00* | - *0·34* | *10·5* | + *5·9* | *78* | 6 | 19 | • | • | • | • | *Greenwich.* |
| *a Hampstead* | *450* | *62* | *13th* | *36* | *13, 16* | *57·5* | *38·3* | *47·7* | — | *53* | *9* | *0* | *0·00* | — | *10·2* | — | *76* | 2 | 28 | • | • | • | • | *Hampstead.* |
| *a Camden Square* | *110* | *66* | *13th* | *35* | *16th* | *61·9* | *38·3* | *49·5* | — | *68* | *10* | *0* | *0·00* | — | *9·6* | — | *72* | 1 | 30 | • | • | • | • | *Camden Square.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | 8·6 | — | *63* | 4 | 20 | 44·3 | +2·0 | 44·3 | +2·9 | *Burnley.* |
| *p* Aspatria | 250 | 67 | 17, 18 | 32 | 15th | 57·3 | 37·4 | 46·9 | + 3·5 | 54 | 13 | 2 | 0·20 | - 0·30 | 10·1 | — | 75 | • | • | • | • | • | • | Hoylake. |
| *p* Newton Rigg | 559 | 66 | 16th | 29 | 15, 16 | 58·1 | 36·3 | 46·7 | + 4·0 | 57 | 16 | 0 | 0·00 | - 0·51 | 9·6 | — | 71 | 4 | 24 | 46·6 | • | 45·6 | • | Aspatria. |
| *p* Stonyhurst | 375 | 62 | 18th | 31 | 15th | 55 7 | 37·6 | 46·2 | + 2·5 | 48 | 12 | 1 | 0·03 | - 0·61 | 10·2 | + 5·4 | 75 | 6 | 18 | 45·7 | +2·3 | 44·0 | +2·0 | Newton Rigg. |
| *p* Blackpool | 66 | 64 | 18th | 31 | 16th | 56·0 | 40·0 | 47·6 | + 3·1 | 48 | 6 | 1 | 0·04 | - 0·40 | 8·6 | + 3·9 | 64 | 4 | 21 | • | • | • | • | Stonyhurst. |
| *p* Manchester (Whit. Pk.) | 125 | 65 | 18th | 33 | 15, 16 | 59·4 | 38·6 | 48·5 | + 3·1 | 60 | 10 | 1 | 0·04 | - 0·40 | 9·4 | + 4·5 | 70 | 2 | 20 | 46·5 | • | 46·3 | • | Blackpool. |
| *a* Liverpool (Bidston) | 188 | 63 | 16, 18 | 37 | 16th | 56·9 | 40·7 | 48·4 | + 3·3 | 50 | 4 | 1 | 0·03 | - 0·37 | *8·5* | + *5·1* | *63* | • | • | • | • | • | • | *Whit. Park.* |
| *a Hawarden Bridge* | *22* | *65* | *16th* | *33* | *16th* | *58·1* | *39·1* | *48·1* | + *1·9* | *55* | *8* | *1* | *0·02* | - *0·28* | *10·2* | — | *76* | • | • | • | • | • | • | *Liverpool.* |
| | | | | | | | | | | | | | | | *9·4* | + *4·3* | *70* | 4 | 22 | 47·9 | +2·7 | 47·5 | +3·2 | *Southport.* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | *8·7* | — | *65* | 1 | 29 | 44·9 | +1·8 | 46·9 | +3·3 | *Manchester (City).* |
| *p* Llandudno | 71 | 67 | 18th | 36 | 15, 16 | 57·3 | 40·6 | 48·6 | + 2·8 | 52 | 4 | 1 | 0·05 | - 0·38 | 9·8 | + 4·9 | 73 | • | • | • | • | • | • | Llandudno. |
| *a* Holyhead | 57 | 65 | 18th | 37 | 15th | 55·9 | 42·0 | 48·6 | + 3·2 | 46 | 0 | 1 | 0·18 | - 0·31 | *10·1* | — | *75* | • | • | • | • | • | • | *Holyhead.* |
| | | | | | | | | | | | | | | | 10·7 | — | 80 | • | • | • | • | • | • | Aberdovey. |

* For note see also opposite page.

† At 3 feet.

‖ Hoar frost.

§ The temperature on the grass refers to Hereford.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | • | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 10·6 | — | 79 | • | • | • | • | • | • | |
| *a* Llangammarch Wells | 550 | 63 | 17, 18 | 26 | 15th | 58·1 | 34·1 | 45·5 | + 1·8 | 58 | 22 | 1 | 0·03 | — | 9·4 | — | 70 | 7 | 19 | 44·9 | +0·9 | 46·2 | +2·1 | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 59 | 17th | 39 | 15th | 54·1 | 43·9 | 48·8 | + 3·3 | 48 | 0 | 0 | 0·00 | - 0·47 | 9·8 | + 4·2 | 73 | • | • | • | • | • | • | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 61 | 17, 18 | 35 | 15th | 57·1 | 38·9 | 47·6 | + 0·6 | 52 | 9 | 0 | 0·00 | - 0·60 | *11·4* | — | *85* | 3 | 25 | 48·3 | +3·3 | 47·3 | +3·1 | Pembroke. |
| | | | | | | | | | | | | | | | | | | | | | | | | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 65 | 17, 18 | 36 | 15th | 60·1 | 39·3 | 49·2 | + 2·5 | 62 | 8 | 0 | 0·00 | - 0·52 | *11·2* | — | *84* | 0 | 32 | • | • | • | • | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 59 | 17th | 35 | 16th | 55·0 | 37·9 | 46·0 | + 1·5 | 45 | 11 | 0 | 0·00 | - 0·52 | • | • | • | • | • | 47·5 | • | 46·7 | • | Shaftesbury. |
| *a* Arlington .. .. | 613 | 62 | 18th | 35 | 15th | 57·1 | 38·1 | 47·1 | + 2·5 | 52 | 11 | 0 | 0·00 | - 0·70 | • | • | • | • | • | • | • | • | • | Arlington. |
| *a Newquay* .. .. | *190* | *59* | *18th* | *35* | *15th* | *54·7* | *41·9* | *48·0* | + *1·2* | *42* | *0* | *0* | *0·00* | - *0·47* | 11·3 | + 5·8 | 85 | 1 | 28 | 50·1 | • | 49·1 | • | Newquay. |
| *a* Cullompton .. .. | 202 | 62 | 17, 18 | 32 | 16th | 60·0 | 36·7 | 47·8 | + 1·8 | 63 | 15 | 1 | 0·01 | - 0·51 | 9·9 | + 5·0 | 74 | 3 | 28 | 49·7 | • | • | • | Cullompton. |
| *a* Portland .. .. | 19 | 56 | 14th | 40 | 16th | 52·3 | 43·6 | 47·7 | + 1·2 | 40 | 0 | 0 | 0·00 | — | *10·3* | — | 77 | • | • | • | • | • | • | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 57 | 13, 18 | 38 | 12th | 55·6 | 42·7 | 48·8 | + 1·7 | 48 | 0 | 0 | 0·00 | - 0·53 | 10·0 | + 4·6 | 75 | 0 | 31 | 50·5 | +3·1 | • | • | Plymouth. |
| *a* Falmouth .. .. | 167 | 57 | 12, 13 | 38 | 15th | 55·0 | 42·3 | 48·4 | + 1·6 | 45 | 0 | 0 | 0·00 | - 0·63 | 10·7 | + 5·1 | 81 | 0 | 35 | 52·2 | • | 50·7 | • | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. *a* Malin Head .. .. | 208 | 62 | 18th | 40 | 14, 15 | 55·9 | 41·7 | 48·5 | + 4·1 | 47 | 1 | 2 | 0·29 | - 0·14 | • | • | • | • | • | • | • | • | • | • |
| *a* Blacksod Point .. | 37 | 60 | 16, 17 | 39 | 13th | 54·9 | 41·7 | 48·0 | + 2·0 | 43 | 1 | 3 | 0·70 | + 0·02 | • | • | • | • | • | • | • | • | • | • |
| *p* Markree Castle .. | 122 | 63 | 16, 17 | 30 | 15th | 58·3 | 37·4 | 47·4 | + 2·8 | 57 | 13 | 2 | 0·22 | - 0·40 | 7·8 | + 3·2 | 57 | 4 | 26 | 48·7 | • | 46·4 | • | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 63 | 16th | 35 | 12, 15-17 | 58·1 | 38·1 | 47·6 | + 2·6 | 56 | 11 | 2 | 0·30 | - 0·19 | *7·8* | + *3·0* | *58* | • | • | • | • | • | • | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 61 | 15th | 34 | 15th | 57·6 | 38·7 | 47·7 | + 3·0 | 54 | 9 | 2 | 0·27 | - 0·21 | 8·8 | + 3·3 | 57 | 2 | 28 | 47·0 | +2·0 | 46·0 | +1·2 | Armagh. |
| *a* Donaghadee .. .. | 40 | 56 | 15, 17, 18 | 37 | 12th | 53·9 | 40·1 | 46·7 | + 1·9 | 41 | 5 | 2 | 0·41 | - 0·05 | • | • | • | • | • | • | • | • | • | • |
| | | | | | | | | | | | | | | | *7·9* | • | *59* | • | • | 47·9 | +2·2 | 47·5 | +1·8 | *Trinity Coll.* |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 9·6 | + 4·4 | 72 | 4 | 22 | • | • | • | • | Phœnix Park. |
| *a*, East .. *p* Dublin, City .. .. | 47 | 61 | 18th | 37 | 15, 16 | 57·1 | 41·1 | 48·7 | + 2·0 | 51 | 3 | 2 | 0·11 | - 0·31 | • | • | • | 0 | 35 | • | • | • | • | Dublin City. |
| *a* Kilkenny .. .. | 195 | 60 | 15, 16, 18 | 31 | 12th | 57·9 | 38·0 | 47·5 | + 1·9 | 55 | 11 | 2 | 0·10 | - 0·40 | • | • | • | • | • | • | • | • | • | • |
| *a* Waterford .. .. | 100 | 59 | 16, 18 | 32 | 12th | 58·1 | 38·6 | 47·9 | + 2·1 | 56 | 10 | 1 | 0·04 | - 0·57 | • | • | • | • | • | • | • | • | • | • |
| *a Seskin, Carrick-on-Suir* | *541* | *58* | *14th* | *37* | *12th* | *55·4* | *39·9* | *47·3* | — | *46* | *6* | *2* | *0·07* | — | *8·3* | — | *62* | 4 | 26 | • | • | • | • | *Seskin.* |
| *b*, West .. *a* Birr Castle .. .. | 175 | 63 | 16th | 35 | 12, 15-17 | 58·1 | 38·1 | 47·6 | + 2·6 | 56 | 11 | 2 | 0·30 | - 0·19 | 7·8 | + 3·0 | 58 | • | • | • | • | • | • | Birr Castle. |
| *a* Foynes .. .. | 50 | 60 | 15, 16 | 32 | 16th | 56·3 | 39·0 | 47·2 | + 0·7 | 49 | 8 | 2 | 0·23 | - 0·34 | • | • | • | • | • | • | • | • | • | • |
| *a* Cahir .. .. | 199 | 59 | 16th | 31 | 16th | 56·0 | 38·9 | 47·0 | + 1·9 | 48 | 9 | 2 | 0·27 | — | • | • | • | • | • | • | • | • | • | • |
| *a* Killarney .. | 174 | 64 | 15th | 37 | 15, 16 | 58·2 | 40·9 | 49·1 | + 2·6 | 54 | 3 | 1 | 0·02 | - 0·82 | • | • | • | • | • | • | • | • | • | • |
| *a* Valencia .. .. | 30 | 59 | 16th | 35 | 16th | 55·0 | 42·1 | 48·2 | + 0·9 | 43 | 0 | 1 | 0·37 | - 0·56 | 7·7 | + 2·6 | 58 | • | • | • | • | • | • | Valencia. |
| *a* Roche's Point .. .. | 32 | 57 | 14th | 38 | 16th | 53·7 | 42·6 | 47·9 | + 1·1 | 41 | 0 | 4 | 0·11 | - 0·53 | 8·2 | — | 61 | • | • | • | • | • | • | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 58 | 18th | 42 | 12th | 54·3 | 44·7 | 49·3 | + 1·3 | 51 | 0 | 0 | 0·00 | - 0·46 | 9·4 | + 3·7 | 71 | • | • | • | • | • | • | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 66 | 18th | 38 | 12th | 58·7 | 43·7 | 50·8 | + 2·8 | 62 | 0 | 0 | 0·00 | - 0·48 | 9·8 | + 3·7 | 74 | • | • | • | • | • | • | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 63 | 18th | 41 | 12th | 58·0 | 44·4 | 50·9 | + 3·0 | 62 | 0 | 0 | 0·00 | - 0·56 | 9·6 | + 3·5 | 72 | 0 | 37 | 50·8 | +2·7 | 49·9 | +2·4 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 10·5 hrs. 79 %; Ramsgate, 10·6 hrs. 79 %; Rhyl, 10·2 hrs. 76 %; Salcombe, 9·9 hrs. 74 %; Tenby, 10·9 hrs. (+5·1) 81 %; Torquay, 9·9 hrs. (+4·3) 74 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Apr. 18th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 45 | 44 | 44·9 | +1·1 |
| Kirkwall .. .. | 46 | 45 | 45·7 | +2·3 |
| Wick .. .. .. | 45 | 45 | 45·0 | +1·3 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 49 | 44 | 46·3 | +3·7 |
| Pennan Bay .. .. | 47 | 44 | 45·8 | +2·6 |
| Aberdeen, Cove Bay | 45 | 43 | 44·0 | +0·8 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 46 | 45 | 45·7 | +0·8 |
| Ballantrae .. .. | 52 | 45 | 48·2 | +3·6 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 45 | 40 | 41·9 | +0·2 |
| Scarborough .. .. | 51 | 45 | 47·8 | +4·8 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 49 | 47 | 48·0 | +4·8 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 50 | 49 | 49·4 | +4·1 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 49 | 47 | 47·1 | +2·0 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 51 | 51 | 51·0 | +2·5 |
| Scilly .. .. | 51 | 50 | 50·5 | — |
| Plymouth‡ .. .. | 51 | 50 | 50·7 | +2·8 |
| Salcombe .. .. | 52 | 49 | 50·7 | +3·8 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 50 | 47 | 48·5 | +1·6 |
| Teelin .. .. .. | 51 | 46 | 47·8 | +0·2 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 49 | 47 | 48·4 | +1·5 |
| Seafield .. .. | 56 | 45 | 49·9 | +1·2 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, April 18th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Aberdeen .. .. | 105 | — | — | 12, 14 | 12 | 58 | 88 | SW. by S. 14 | 12th 18h. | 24 12th 17.15 |
| Rosyth .. .. | 73 | — | — | 12 to 14 | 22 | 71 | 75 | SW. by W. 13 | 12th 13h. | 24 13th 15.40 |
| **6** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 12 to 14 | 28 | 62 | 78 | SSW. 15 | 12th 24h. | 21 12th 12.20 |
| Paisley (Coats Obs.) | 80 | — | — | 12th | 2§ | 55§ | 99§ | SW. 13 | 12th 15h. | 26 12th 15.15 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | 12th | 5 | 54 | 109 | SW. 12 | 12th 15h. | 20 12th 15.20 |
| South Shields .. | 61 | — | — | 12, 14 | 4 | 70 | 94 | WNW. 12 | 14th 9h. | 18 13th 12.10 |
| Spurn Head .. | 40 | — | — | — | — | 77 | 91 | WNW. 11 | 14th 10h. | 16 14th 10.15 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | — | — | 90 | 78 | — 10 | 17th 1h. | 13 14th 13.25 |
| Shoeburyness .. | 90 | — | — | 17, 18 | 8 | 87 | 73 | ENE. 13 | 17th 16h. | 16 17th 16.20 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | — | — | — | — | — — | — — | — — — |
| Warlingham .. | 33 | — | — | — | — | 28 | 140 | — 9 | 17th 16h. | 14 17th 15.40 |
| Brighton .. .. | 53 | — | — | — | — | 78 | 91 | — 10 | 17th 8h. | 18 17th 9 0 |
| Kew .. .. .. | 40 | — | — | — | — | 39 | 129 | — 10 | 17th 10h. | 16 17th 9.35 |
| South Kensington | 92 | — | — | — | — | 20 | 148 | E. by N. 8 | 17th 13h. | 15 17th 10.50 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Southport .. .. | 62 | — | — | 12 to 14, 17, 18 | 27 | 66 | 75 | W. 13 | 14th 4h. | 19 14th 4.15 |
| Holyhead .. .. | 40 | — | — | 12 to 14, 17 | 35§ | 40§ | 88§ | SSW. 13 | 12th 15h. | 20 13th 2.20 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle .. | 65 | 17th | 16 | 16 to 18 | 35 | 79 | 38 | ESE. 21 | 17th 15h. | 26 17th 2.45 |
| Plymouth .. .. | 86 | — | — | 14, 17, 18 | 23 | 60 | 80 | — 17 | 17th 13h. | 26 17th 12.35 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 12, 13, 17 | 26 | 91 | 43 | — 14 | 17th 13h. | 20 17th 13.20 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — — | — — — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly .. .. .. | 19 | — | — | 13, 16, 17 | 34 | 62 | 72 | ESE. 18 | 17th 10h. | 21 17th 11.10 |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (†25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (†25 Yrs.) | Below 42° | Difference from Av. (†25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **FIFTEENTH WEEK**—April 12th to April 18th, 1914. | | | | | | | | | | | | | | | | | | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| **0.** SCOTLAND, NORTH ... | 68 | 33 | 53·3 | 39·5 | 46·1 | + 4·2 | 39 | + 16 | 7 | −15 | 3 | − 2 | 0·92 | +0·22 | 7·6 | +3·1 | 56 | 1019 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 70 | 25 | 57·4 | 36·0 | 46·1 | + 3·8 | 54 | + 24 | 17 | − 6 | 1 | − 3 | 0·05 | −0·38 | 8·1 | +3·4 | 60 | 1021 |
| **2.** ENGLAND, N.E. ... .. | 66 | 29 | 57·2 | 37·2 | 46·7 | + 3·3 | 53 | + 26 | 14 | − 2 | 0 | − 3 | 0·00 | −0·35 | 10·1 | +5·1 | 74 | 1025 |
| **3.** ENGLAND, EAST ... | 66 | 29 | 57·2 | 37·2 | 46·7 | + 2·1 | 53 | + 16 | 13 | − 2 | 0 | − 4 | 0·00 | −0·35 | 10·7 | +5·6 | 80 | 1026 |
| **4** MIDLAND COUNTIES ... | 66 | 28 | 59·4 | 35·3 | 46·8 | + 2·2 | 62 | + 23 | 19 | + 2 | 0 | − 3 | 0·00 | −0·40 | 10·7 | +6·0 | 80 | 1025 |
| **5.** ENGLAND, S.E. ... ... | 65 | 28 | 57·5 | 39·3 | 47·9 | + 1·9 | 53 | + 13 | 8 | − 2 | 0 | − 3 | 0·00 | −0·33 | 10·3 | +5·2 | 77 | 1025 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 67 | 29 | 56·5 | 38·4 | 47·0 | + 3·3 | 50 | + 20 | 10 | − 6 | 2 | − 2 | 0·52 | −0·10 | 8·4 | +3·3 | 62 | 1023 |
| **7.** ENGLAND, N.W. ... ... | 67 | 29 | 57·1 | 39·2 | 47·7 | + 3·1 | 52 | + 20 | 8 | − 4 | 1 | − 2 | 0·07 | −0·40 | 9·8 | +5·1 | 73 | 1024 |
| **8.** ENGLAND, S.W. ... ... | 65 | 26 | 56·4 | 39·8 | 47·7 | + 1·7 | 49 | + 11 | 6 | − 2 | 0 | − 4 | 0·00 | −0·50 | 10·2 | +4·9 | 77 | 1024 |
| **9.** IRELAND, NORTH ... | 63 | 30 | 56·5 | 39·6 | 47·7 | + 2·8 | 50 | + 16 | 7 | − 4 | 2 | − 2 | 0·37 | −0·16 | 8·3 | +3·5 | 61 | 1021 |
| **10.** IRELAND, SOUTH ... | 64 | 31 | 56·7 | 39·9 | 47·9 | + 1·6 | 50 | + 9 | 6 | − 2 | 2 | − 2 | 0·17 | −0·40 | 8·3 | +3·1 | 62 | 1023 |
| **11.** ENGLISH CHANNEL ... | 66 | 38 | 57·0 | 44·3 | 50·3 | + 2·1 | 58 | + 14 | 0 | − 1 | 0 | − 4 | 0·00 | −0·42 | 9·6 | +3·4 | 72 | 1023 |
| THE SEASON (**Spring**).—Aggregates, &c., for the Period of 7 Weeks, March 1st to April 18th, 1914. | | | | | | | | | | | | | | | | | | |
| **0.** SCOTLAND, NORTH ... | 68 | 22 | * | * | * | * | 122 | + 26 | 144 | − 60 | 39 | + 5 | 7·26 | +0·84 | 3·8 | +0·4 | 32 | 1000 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 70 | 16 | * | * | * | * | 160 | + 30 | 183 | − 39 | 31 | + 3 | 4·22 | +0·76 | 4·4 | +0·5 | 37 | 1001 |
| **2.** ENGLAND, N.E. ... ... | 66 | 25 | * | * | * | * | 209 | + 69 | 113 | − 61 | 28 | + 3 | 2·48 | −0·19 | 4·7 | +0·5 | 39 | 1004 |
| **3.** ENGLAND, EAST ... | 69 | 25 | * | * | * | * | 243 | + 60 | 97 | − 88 | 30 | + 5 | 4·18 | +1·74 | 4·8 | +0·6 | 40 | 1007 |
| **4.** MIDLAND COUNTIES ... | 67 | 24 | * | * | * | * | 235 | + 44 | 122 | − 66 | 32 | + 9 | 3·85 | +1·07 | 4·3 | +0·5 | 35 | 1007 |
| **5.** ENGLAND, S.E. ... ... | 65 | 27 | * | * | * | * | 245 | + 50 | 55 | − 80 | 33 | +11 | 5·92 | +3·20 | 4·7 | +0·5 | 39 | 1008 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 67 | 25 | * | * | * | * | 165 | + 31 | 120 | − 42 | 36 | + 8 | 7·18 | +1·90 | 4·5 | +0·6 | 38 | 1003 |
| **7.** ENGLAND, N.W. ... ... | 67 | 25 | * | * | * | * | 190 | + 43 | 86 | − 58 | 33 | + 8 | 4·37 | +0·67 | 4·5 | +0·8 | 38 | 1005 |
| **8.** ENGLAND, S.W. ... ... | 65 | 24 | * | * | * | * | 231 | + 38 | 51 | − 61 | 36 | +11 | 8·20 | +4·05 | 4·6 | +0·3 | 38 | 1008 |
| **9.** IRELAND, NORTH ... | 63 | 26 | * | * | * | * | 199 | + 33 | 109 | − 24 | 40 | + 9 | 6·33 | +2·13 | 4·5 | +0·8 | 38 | 1002 |
| **10.** IRELAND, SOUTH ... | 64 | 26 | * | * | * | * | 247 | + 34 | 65 | − 36 | 39 | +12 | 6·47 | +1·88 | 4·8 | +0·6 | 40 | 1005 |
| **11.** ENGLISH CHANNEL ... | 66 | 35 | * | * | * | * | 298 | + 66 | 6 | − 32 | 36 | + 9 | 6·72 | +3·28 | 4·7 | −0·4 | 39 | 1010 |
| THE YEAR.—Aggregates, &c., for the Period of 15 Weeks, January 4th, 1914, to April 18th, 1914. | | | | | | | | | | | | | | | | | | |
| **0.** SCOTLAND, NORTH ... | 68 | 16 | * | * | * | * | 198 | + 48 | 374 | −124 | 79 | + 4 | 18·77 | +2·30 | 2·5 | +0·2 | 25 | 1001 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 70 | 15 | * | * | * | * | 247 | + 56 | 454 | −104 | 65 | + 6 | 9·20 | +1·26 | 2·9 | +0·1 | 30 | 1003 |
| **2.** ENGLAND, N.E. ... ... | 66 | 24 | * | * | * | * | 356 | +146 | 286 | −156 | 60 | + 6 | 5·17 | −0·54 | 3·2 | +0·2 | 31 | 1007 |
| **3.** ENGLAND, EAST ... | 69 | 19 | * | * | * | * | 382 | +122 | 288 | −199 | 57 | + 3 | 7·31 | +1·85 | 3·4 | +0·3 | 33 | 1011 |
| **4.** MIDLAND COUNTIES ... | 67 | 15 | * | * | * | * | 385 | +104 | 346 | −142 | 60 | + 8 | 6·81 | +0·27 | 2·8 | +0·1 | 28 | 1010 |
| **5.** ENGLAND, S.E. ... ... | 65 | 10 | * | * | * | * | 399 | +101 | 236 | −129 | 61 | +11 | 10·50 | +3·79 | 3·4 | +0·4 | 33 | 1012 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 67 | 18 | * | * | * | * | 276 | + 62 | 303 | − 91 | 76 | +12 | 16·24 | +2·93 | 2·6 | −0·1 | 26 | 1005 |
| **7.** ENGLAND, N.W. ... ... | 67 | 22 | * | * | * | * | 351 | +121 | 223 | −143 | 65 | + 7 | 9·95 | +1·13 | 3·0 | +0·4 | 29 | 1008 |
| **8.** ENGLAND, S.W. ... ... | 65 | 19 | * | * | * | * | 403 | + 76 | 192 | − 95 | 70 | +12 | 14·66 | +4·21 | 3·0 | −0·1 | 30 | 1010 |
| **9.** IRELAND, NORTH ... | 63 | 25 | * | * | * | * | 353 | + 77 | 243 | − 82 | 80 | +12 | 13·85 | +3·77 | 2·7 | 0·0 | 27 | 1004 |
| **10.** IRELAND, SOUTH ... | 64 | 24 | * | * | * | * | 440 | + 62 | 173 | − 74 | 81 | +20 | 15·19 | +3·79 | 3·2 | +0·1 | 31 | 1007 |
| **11.** ENGLISH CHANNEL ... | 66 | 25 | * | * | * | * | 501 | + 73 | 72 | − 36 | 70 | + 6 | 12 09 | +3·35 | 3·5 | −0·2 | 34 | 1012 |

M.O., April 21, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



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## I.—Remarks on Wind and Weather.

The wind was generally light or moderate in force, and the weather fine, sunny and mild, although the nights were cool. The pressure distribution as a whole was anticyclonic. In the beginning of the week the centre of the anticyclone lay over Northern Germany, and the extreme north-western coasts were influenced somewhat by depressions over the Icelandic region, and the extreme south-west coasts by a shallow depression over the Bay of Biscay and the Spanish Peninsula. On the 23rd a large depression extended over the northern half of the Kingdom, causing the wind to increase in force from South-West and West over the western and northern districts. At Glasgow and Aberdeen the squalls attained the strength of a gale. A new anticyclone was, however, extending over the Kingdom from the south-westward, and by the end of the week, when its centre lay off the south-west of Ireland, the British Isles generally were under its direct influence, while the wind had veered to the North-Westward or Northward, and moderated in force. Thunderstorms, with little or no rain, were experienced in various parts of eastern England on the 22nd, and thunder was heard at Balmoral.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Very unusual | Very unusual | Very unusual | Unusual | Very unusual | Very unusual | Very unusual | Very unusual | Very unusual | Very unusual | Very unusual | Very unusual |
| | Rainfall ... | Moderate | Light | Light | Light | Very light | Very light | Moderate | Light | Very light | Light | Very light | Light |
| | Sunshine ... | Abundant | Very abundant | Abundant | Abundant | Very abundant | Very abundant | Very abundant | Very Abundant | Very abundant | Abundant | Abundant | Abundant |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 8 weeks from March 1st, 1914. | Warmth ... | 3*0 | 4*0 | 5*0 | 6*1 | 4*0 | 5*0 | 4*1 | 4*0 | 5*0 | 4*2 | 4*1 | 6*0 |
| | Rainfall ... | 4*1 | 4*2 | 2*3 | 3*2 | 3*2 | 4*2 | 5*0 | 3*2 | 6*2 | 4*1 | 3*2 | 5*2 |
| | Sunshine ... | 4*1 | 3*0 | 2*1 | 3*3 | 2*3 | 2*0 | 3*0 | 3*1 | 2*1 | 4*1 | 3*1 | 2*3 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 1913. Mar. 2nd.–May 31st. 13 weeks. | Warmth ... | 2*5 | 2*5 | 5*2 | 5*2 | 4*2 | 4*2 | 2*4 | 4*3 | 3*2 | 1*3 | 1*3 | 3*4 |
| | Rainfall ... | 6*2 | 5*3 | 5*4 | 5*2 | 7*3 | 6*1 | 8*2 | 7*3 | 6*1 | 7*2 | 6*1 | 7*3 |
| | Sunshine ... | 3*3 | 2*3 | 1*4 | 2*6 | 2*5 | 2*4 | 1*8 | 1*4 | 0*6 | 2*5 | 1*6 | 0*10 |
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4*3 | 2*4 | 3*5 | 3*5 | 3*5 | 2*6 | 3*4 | 3*5 | 5*5 | 3*5 | 4*4 | 1*6 |
| | Rainfall ... | 2*8 | 1*9 | 0*10 | 1*5 | 0*9 | 1*9 | 2*7 | 3*8 | 1*11 | 1*8 | 2*9 | 1*5 |
| | Sunshine ... | 4*5 | 4*4 | 4*7 | 2*7 | 2*8 | 1*7 | 5*5 | 6*5 | 3*4 | 6*6 | 5*4 | 3*9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6*0 | 8*0 | 8*0 | 10*0 | 11*0 | 11*0 | 6*0 | 9*0 | 9*0 | 8*0 | 9*2 | 11*0 |
| | Rainfall ... | 4*4 | 2*4 | 4*6 | 5*6 | 5*4 | 5*5 | 2*4 | 4*6 | 3*5 | 3*2 | 7*1 | 4*3 |
| | Sunshine ... | 5*4 | 5*6 | 6*3 | 4*1 | 4*3 | 5*2 | 1*4 | 6*3 | 4*6 | 2*5 | 2*6 | 2*4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6*3 | 7*2 | 7*2 | 9*3 | 7*4 | 7*4 | 4*2 | 8*3 | 7*4 | 7*2 | 7*4 | 6*4 |
| | Rainfall ... | 5*2 | 5*4 | 1*7 | 3*9 | 2*8 | 3*5 | 5*4 | 5*6 | 3*5 | 5*5 | 4*6 | 5*7 |
| | Sunshine ... | 3*1 | 2*2 | 1*2 | 3*4 | 2*6 | 4*4 | 2*6 | 2*0 | 3*5 | 1*9 | 1*7 | 2*5 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(1140—19.) Wt. 229—611. 450. 4/14. D & S. G.17/36.

## II.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.]

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | *61* | *22nd* | *33* | *25th* | *55·4* | *41·4* | *48·1* | — | *45* | *2* | *4* | *0·47* | — | *5·7* | — | *39* | * | * | 46·7 | * | * | * | *Baltasound.* |
| *a* Islands.. { *a* Lerwick.. | 54 | 59 | 20th | 34 | 25th | 51·9 | 41·4 | 46·4 | + 4·9 | 33 | 2 | 3 | 0·44 | — | 8·3 | + 3·3 | 58 | * | * | * | * | * | * | Deerness. |
| *a* Stornoway | 51 | 61 | 21st | 38 | 23rd | 54·9 | 44·0 | 49·2 | + 5·8 | 50 | 0 | 3 | 0·50 | - 0·16 | 4·5 | - 0·9 | 31 | * | * | * | * | * | * | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *55* | *20, 21* | *39* | *23rd* | *52·1* | *45·3* | *48·5* | + *4·0* | *46* | *0* | *3* | *0·42* | — | *5·8* | — | *41* | | | | | | | *Castlebay.* |
| *a* Wick | 81 | 67 | 22nd | 34 | 25th | 56·9 | 40·1 | 48·1 | + 4·8 | 51 | 5 | 3 | 0·42 | - 0·02 | * | * | * | * | * | * | * | * | * | |
| *p* Strathpeffer | 200 | 72 | 21st | 36 | 25th | 64·7 | 40·4 | 52·0 | + 8·3 | 77 | 4 | 3 | 0·36 | - 0·05 | 6·5 | + 1·6 | 46 | * | * | * | * | * | * | Strathpeffer. |
| *b*, Main- *p* Glencarron | 500 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | |
| land. *p* Fort Augustus.. | 68 | 70 | 21st | 35 | 25th | 60·9 | 40·6 | 50·3 | + 6·6 | 64 | 4 | 2 | 0·30 | - 0·22 | 5·7 | + 1·8 | 40 | * | * | * | * | * | * | Fort Augustus. |
| *p* Fort William | 175 | 69 | 21st | 38 | 25th | 60·3 | 41·3 | 50·3 | + 5·3 | 61 | 2 | 4 | 0·65 | - 0·28 | * | * | * | * | * | * | * | * | * | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | 8·5 | * | 59 | 4 | 27 | 46·8 | +3·6 | 43·7 | +1·7 | Crathes S. |
| *p* Gordon Castle | 101 | 75 | 20th | 38 | 23, 25 | 64·7 | 42·6 | 53·1 | + 9·1 | 78 | 0 | 3 | 0·12 | - 0·26 | *8·2* | — | *57* | * | * | * | * | * | * | *Gordon Castle.* |
| *a* Nairn | 82 | 73 | 21st | 28 | 19th | 62·9 | 37·7 | 49·7 | + 5·8 | 72 | 12 | 3 | 0·28 | - 0·04 | 7·6 | — | 53 | * | * | * | * | * | * | Nairn. |
| *a* Aberdeen | 46 | 70 | 20th | 35 | 25th | 60·7 | 40·4 | 50·1 | + 6·3 | 63 | 4 | 2 | 0·15 | - 0·30 | 9·6 | + 4·3 | 67 | * | * | * | * | 43·9 | +1·5 | Aberdeen. |
| *a* Balmoral | 930 | 72 | 21st | 28 | 19th | 63·1 | 32·4 | 47·0 | + 6·4 | 75 | 27 | 2 | 0·11 | - 0·42 | * | * | * | 6 | 23 | * | * | * | * | Balmoral. |
| *p* Crieff | 440 | 73 | 21st | 34 | 19th | 63·9 | 38·7 | 50·7 | + 6·0 | 75 | 9 | 2 | 0·06 | - 0·44 | 9·5 | — | 67 | * | * | * | * | * | * | Balruddery. |
| *a* Leith | 18 | 70 | 22nd | 36 | 19th | 61·9 | 39·9 | 50·4 | + 5·1 | 68 | 6 | 3 | 0·13 | - 0·15 | * | * | * | * | * | * | * | * | * | |
| *a* West Linton | 800 | 70 | 21st | 25 | 19th | 61·3 | 31·4 | 45·6 | + 3·8 | 70 | 30 | 3 | 0·26 | — | *7·4* | — | *53* | 4 | 22 | * | * | * | * | *West Linton.* |
| *p* Marchmont | 498 | 73 | 21st | 36 | 19th | 64·0 | 41·6 | 52·3 | + 9·5 | 74 | 1 | 2 | 0·13 | - 0·35 | 9·4 | + 4·6 | 67 | 1 | 26 | 48·9 | +5·9 | * | * | Marchmont. |
| *a Edinburgh* | *441* | *71* | *21st* | *40* | *19, 23* | *61·1* | *43·6* | *51·9* | — | *69* | *0* | *3* | *0·26* | — | 8·8 | — | 62 | 2 | 27 | * | * | * | * | Edinburgh. |
| **6.** SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 69 | 21st | 39 | 23rd | 59·7 | 41·6 | 50·2 | + 5·0 | 59 | 1 | 3 | 0·84 | + 0·25 | * | * | * | * | * | * | * | * | * | |
| *p* Glasgow Observatory | 189 | 68 | 21st | 40 | 19th | 60·7 | 42·9 | 51·4 | + 6·5 | 66 | 0 | 2 | 0·49 | + 0·02 | 6·1 | + 1·8 | 43 | 0 | 31 | * | * | * | * | Glasgow. |
| *p* Rothesay | 73 | 67 | 19, 21 | 38 | 21st | 60·4 | 41·6 | 50·6 | + 5·1 | 62 | 1 | 3 | 0·52 | - 0·13 | *8·1* | — | *57* | 0 | 34 | 49·1 | * | 46·4 | +2·3 | *Rothesay.* |
| *a* Kilmarnock | 90 | 69 | 21st | 36 | 22nd | 61·6 | 38·7 | 49·6 | + 4·7 | 67 | 9 | 3 | 0·43 | — | *8·1* | — | *57* | * | * | * | * | * | * | *Kilmarnock.* |
| *a* Colmonell | 150 | 70 | 21st | 40 | 20th | 61·6 | 43·3 | 52·0 | + 6·8 | 70 | 0 | 3 | 0·57 | + 0·02 | * | * | * | 0 | 34 | * | * | * | * | |
| *p* Dumfries | 160 | 70 | 21st | 36 | 19, 20 | 62·6 | 40·0 | 50·8 | + 5·3 | 70 | 6 | 3 | 0·14 | - 0·38 | *8·3* | — | *59* | 2 | 27 | 49·0 | * | 46·7 | * | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 69 | 21st | 32 | 20th | 60·7 | 37·1 | 48·3 | + 3·5 | 65 | 14 | 3 | 0·23 | - 0·47 | * | * | * | * | * | * | * | * | * | |
| *b*, I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 69 | 21st | 41 | 23rd | 59·9 | 44·9 | 52·0 | + 6·9 | 70 | 0 | 3 | 0·16 | - 0·42 | 9·4 | + 3·3 | 67 | 0 | 33 | * | * | * | * | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 72 | 22nd | 30 | 19th | 63·4 | 39·7 | 51·0 | + 7·4 | 73 | 6 | 3 | 0·22 | - 0·21 | 8·4 | — | 60 | 1 | 25 | 48·7 | +5·6 | 45·9 | +3·0 | Cockle Park |
| *a* Shields | 96 | 64 | 21st | 37 | 19th | 58·6 | 41·1 | 49·4 | + 5·3 | 56 | 3 | 2 | 0·11 | - 0·23 | * | * | * | * | * | * | * | * | * | |
| *p* Durham | 336 | 72 | 22nd | 29 | 19th | 62·6 | 37·9 | 49·7 | + 5·9 | 71 | 11 | 2 | 0·05 | - 0·29 | 8·3 | + 3·8 | 59 | 2 | 25 | * | * | * | * | Durham. |
| *a*, North .. *p* Rounton | 249 | 73 | 21, 22 | 32 | 19th | 64·9 | 39·0 | 51·3 | + 7·6 | 78 | 8 | 2 | 0·16 | - 0·22 | * | * | * | 2 | 26 | 49·4 | * | * | * | Rounton. |
| *a West Witton* | *605* | *72* | *20th* | *32* | *19th* | *62·6* | *39·7* | *51·6* | — | *77* | *6* | *2* | *0·08* | — | * | * | * | 3 | 28 | 48·4 | * | 43·8 | * | *West Witton.* |
| *p* Scarborough | 100 | 67 | 22nd | 41 | 19th | 61·3 | 44·4 | 52·4 | + 7·9 | 73 | 0 | 3 | 0·14 | - 0·26 | 9·5 | — | 68 | * | * | * | * | 47·3† | * | Scarborough. |
| *p* York | 56 | 74 | 21st | 35 | 19th | 65·4 | 41·4 | 52·8 | + 6·8 | 78 | 2 | 1 | 0·03 | - 0·37 | 7·8 | + 3·2 | 56 | * | * | 49·0 | +3·8 | 46·3 | +2·4 | York. |
| | | | | | | | | | | | | | | | *6·7* | — | *48* | 2 | 30 | 47·9 | +2·7 | 45·6 | +2·1 | *Hull.* |
| *b*, South .. *a* Spurn Head | 26 | 59 | 20–23 | 41 | 20, 21 | 57·3 | 43·6 | 50·1 | + 5·2 | 57 | 0 | 5 | 0·14 | - 0·12 | *9·1* | — | *65* | * | * | * | * | 47·0 | * | *Spurn Head.* |
| *a* Lincoln | 58 | 73 | 21, 22 | 38 | 20th | 65·3 | 42·9 | 53·6 | + 7·4 | 81 | 0 | 1 | 0·08 | - 0·26 | * | * | * | * | * | 52·1 | +7·0 | 47·0 | +3·1 | Lincoln. |
| *a* Fulbeck | 180 | 72 | 21st | 35 | 19, 20 | 65·0 | 40·9 | 52·4 | + 6·4 | 77 | 3 | 1 | 0·06 | - 0·29 | 8·7 | — | 63 | 3 | 25 | 52·1 | +3·7 | 47·0 | +2·0 | Rauceby. |
| | | | | | | | | | | | | | | | 8·9 | — | 64 | * | * | * | * | * | * | Skegness. |
| | | | | | | | | | | | | | | | *8·4* | — | *60* | 0 | 34 | 51·3 | +4·1 | 48·2 | +2·7 | *Lowestoft.* |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | 8·3 | — | 60 | * | * | * | * | * | * | Cromer. |
| *p* Cromer | 198 | 65 | 22nd | 42 | 20, 25 | 58·6 | 43·7 | 50·8 | + 6·5 | 62 | 0 | 1 | 0·12 | — | 8·5 | + 3·3 | 61 | 1 | 29 | * | * | * | * | Lit. Massingham. |
| *p* Little Massingham | 280 | 69 | 21st | 37 | 25th | 62·0 | 42·3 | 51·7 | + 6·0 | 68 | 0 | 3 | 0·17 | - 0·23 | 8·0 | — | 58 | * | * | 51·6 | +2·7 | 49·3 | +2·2 | Yarmouth. |
| *a*, North .. *a* Yarmouth | 17 | 62 | 22, 24 | 41 | 24, 25 | 57·9 | 44·0 | 50·6 | + 6·0 | 60 | 0 | 2 | 0·19 | - 0·16 | *8·4* | — | *60* | 3 | 28 | 49·7 | * | * | * | *Norwich.* |
| *a* Norwich | 93 | 69 | 20th | 35 | 21st | 61·7 | 40·6 | 50·7 | + 5·5 | 67 | 4 | 1 | 0·11 | — | 7·7 | + 2·3 | 55 | * | * | * | * | * | * | Geldeston. |
| *a* Geldeston | 37 | 69 | 21st | 33 | 21st | 61·7 | 41·9 | 51·3 | + 5·6 | 66 | 0 | 1 | 0·12 | - 0·24 | | | | | | | | | | |
| *p* Cambridge | 41 | 74 | 21st | 32 | 21st | 64·6 | 37·7 | 50·5 | + 3·8 | 78 | 12 | 2 | 0·11 | - 0·24 | 7·9 | + 2·5 | 57 | 1 | 29 | 51·8 | +4·1 | 48·3 | +2·0 | Cambridge. |
| *a Felixstowe* | *10* | *61* | *20, 21* | *40* | *24th* | *57·9* | *43·7* | *50·5* | + *4·8* | *60* | *0* | *2* | *0·13* | — | *7·6* | — | *55* | * | * | * | * | * | * | *Felixstowe.* |
| *b*, South .. *a* Clacton-on-Sea | 54 | 63 | 21st | 42 | 24th | 58·3 | 45·6 | 51·7 | + 6·1 | 68 | 0 | 1 | 0·02 | — | 6·7 | — | 48 | 0 | 33 | 51·1 | +2·9 | 49·7 | +2·7 | Clacton. |
| *a* Rothamsted | 424 | 72 | 21st | 34 | 21st | 61·1 | 39·3 | 51·1 | + 5·4 | 75 | 8 | 1 | 0·03 | - 0·34 | 8·0 | + 2·9 | 58 | * | * | * | * | * | * | Rothamsted. |
| *a Shoeburyness* | *13* | *64* | *21st* | *40* | *20th* | *60·0* | *43·6* | *51·4* | + *3·8* | *66* | *0* | *3* | *0·19* | - *0·06* | *7·7* | — | *55* | 0 | 39 | 52·3 | +4·0 | * | * | *Southend.* |
| *p* Tottenham | 51 | 74 | 21st | 40 | 21st | 64·3 | 43·7 | 53·5 | + 6·7 | 81 | 0 | 0 | 0·00 | — | 7·1 | — | 51 | 0 | 33 | * | * | 48·9 | +2·9 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate | 476 | 71 | 21, 22 | 34 | 19th | 62·4 | 40·6 | 51·0 | + 6·8 | 69 | 4 | 1 | 0·02 | - 0·41 | *7·8* | — | *56* | 2 | 26 | 48·7 | +4·0 | 44·6 | +2·6 | *Huddersfield.* |
| *a* Bawtry | 65 | 75 | 21, 22 | 32 | 19, 20 | 66·6 | 38·7 | 52·0 | + 5·9 | 84 | 9 | 1 | 0·02 | - 0·31 | 8·4 | — | 60 | 2 | 27 | 46·9 | +3·3 | 45·9 | +2·6 | Harrogate. |
| *p Buxton* | *987* | *69* | *21, 22* | *30* | *19th* | *60·9* | *37·4* | *48·6* | + *5·9* | *66* | *13* | *2* | *0·31* | - *0·37* | 8·3 | — | 59 | 3 | 25 | 49·8 | * | 47·4 | * | Worksop. |
| *a*, East .. *a* Nottingham | 82 | 72 | 21, 22 | 32 | 19, 20 | 64·6 | 39·0 | 50·9 | + 4·9 | 75 | 8 | 1 | 0·01 | - 0·35 | *8·3* | — | *59* | 2 | 25 | 48·1 | +3·7 | 44·4 | +2·1 | *Buxton.* |
| *p* Birmingham, Edgbsn. | 535 | 72 | 21, 22 | 39 | 19th | 64·1 | 44·1 | 53·6 | + 7·7 | 81 | 0 | 1 | 0·02 | - 0·40 | 8·7 | — | 63 | 2 | 28 | 50·8 | +5·4 | 46·3 | +3·0 | Nottingham. |
| *a* Raunds | 204 | 73 | 20, 21 | 31 | 20th | 65·7 | 38·1 | 51·2 | + 5·5 | 81 | 11 | 1 | 0·01 | — | 7·4 | — | 53 | 4 | 23 | 48·5 | +4·5 | 46·1 | +2·0 | Birmingham. |
| *p* Oxford | 208 | 73 | 21st | 36 | 19th | 66·7 | 42·4 | 54·0 | + 7·1 | 84 | 0 | 2 | 0·02 | - 0·32 | *8·8* | — | *63* | 4 | 22 | 50·5 | * | 47·1 | * | *Raunds.* |
| | | | | | | | | | | | | | | | 9·4 | + 4·3 | 68 | 2 | 30 | * | * | * | * | Oxford. |
| *a* Cheadle | 646 | 72 | 21st | 40 | 19th | 65·0 | 42·6 | 53·3 | + 8·4 | 79 | 0 | 2 | 0·06 | - 0·40 | 7·5 | — | 54 | 1 | 27 | 48·3 | +4·1 | 45·2 | +2·5 | Sheffield. |
| *p* Shrewsbury | 191 | 74 | 22nd | 30 | 19th | 66·0 | 38·3 | 51·5 | + 4·5 | 82 | 10 | 0 | 0·00 | — | * | * | * | 0 | 31 | * | * | * | * | Cheadle. |
| *b*, West .. *a* Hereford§ | 291 | 72 | 22nd | 32 | 19th | 65·7 | 39·9 | 52·2 | + 5·3 | 80 | 6 | 0 | 0·00 | - 0·40 | * | * | * | ? | ? | * | * | * | * | Shrewsbury. |
| *a* Cirencester | 446 | 74 | 21st | 39 | 24th | 65·4 | 43·0 | 53·7 | + 8·3 | 82 | 0 | 0 | 0·00 | - 0·41 | 9·3 | + 4·0 | 67 | 0 | 34 | 49·9 | * | 46·9 | * | *Malvern.§* |
| *a* Bath | 66 | 73 | 21st | 35 | 20th | 66·1 | 41·7 | 53·3 | + 6·3 | 80 | 1 | 0 | 0·00 | - 0·45 | 8·8 | — | 63 | * | * | * | * | * | * | Cirencester. |
| | | | | | | | | | | | | | | | | | | | | | | | | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | * | * | * | 1 | 30 | 53·3 | +6·4 | 49·7 | +3·3 | Canterbury. |
| *p* Kew | 18 | 73 | 21st | 39 | 20, 21 | 64·4 | 42·3 | 52·8 | + 5·6 | 76 | 0 | 1 | 0·01 | - 0·32 | 7·2 | + 2·1 | 52 | 4 | 27 | 49·8 | +2·7 | 48·1 | +2·4 | Kew. |
| *a* Marlborough | 424 | 72 | 21st | 30 | 19th | 65·0 | 36·7 | 50·2 | + 4·5 | 80 | 15 | 0 | 0·00 | - 0·45 | 8·9 | + 4·1 | 64 | 3 | 23 | * | * | 47·7 | * | Marlborough. |
| *a* Margate | 35 | 63 | 22nd | 43 | 23rd | 58·7 | 46·3 | 52·2 | + 5·4 | 71 | 0 | 4 | 0·31 | + 0·01 | 7·6 | + 2·3 | 55 | 0 | 33 | 49·6 | +2·8 | 48·2 | +2·8 | Margate. |
| *a* Wisley, Surrey | 150 | 74 | 21st | 33 | 21st | 64·4 | 40·1 | 51·7 | + 3·7 | 76 | 5 | 1 | 0·02 | — | 8·7 | — | 63 | 4 | 21 | 49·9 | +3·0 | 47·4 | +1·5 | Wisley. |
| | | | | | | | | | | | | | | | 8·8 | — | 63 | 0 | 37 | 53·1 | +4·9 | 49·3 | +2·9 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 74 | 20, 21 | 35 | 19-21 | 66·9 | 39·4 | 52·5 | + 5·0 | 84 | 7 | 0 | 0·00 | - 0·53 | * | * | * | 0 | 32 | 52·1 | * | * | * | Salisbury. |
| *a* Tunbridge Wells | 418 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | Tunbridge Wells. |
| *a* Dungeness | 21 | 65 | 20th | 37 | 19th | 58·9 | 43·0 | 50·6 | + 4·3 | 60 | 6 | 0 | 0·00 | - 0·30 | 8·4 | — | 60 | * | * | * | * | * | * | Littlestone. |
| *p* Hastings | 178 | 70 | 21st | 43 | 25th | 61·7 | 46·9 | 53·9 | + 7·1 | 83 | 0 | 1 | 0·02 | - 0·35 | *8·7* | + *2·8* | *63* | 0 | 35 | 52·8 | * | 48·8 | * | *Hastings.* |
| *p* Southampton | 65 | 73 | 20, 21 | 41 | 21st | 66·4 | 45·1 | 55·2 | + 6·5 | 92 | 0 | 0 | 0·00 | - 0·42 | 9·3 | + 3·6 | 67 | 0 | 31 | * | * | * | * | Southampton. |
| *a* Ventnor | 80 | 71 | 20th | 45 | 24th | 62·4 | 49·4 | 55·6 | + 7·4 | 95 | 0 | 0 | 0·00 | - 0·39 | 8·6 | + 2·5 | 63 | * | * | * | * | * | * | Ventnor. |
| | | | | | | | | | | | | | | | *9·6* | + *3·8* | *69* | 0 | 31 | 53·1 | +4·1 | 50·5 | +2·6 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 9·3 | + 3·5 | 67 | * | * | 52·4 | * | 49·7 | * | Eastbourne. |
| | | | | | | | | | | | | | | | *9·2* | — | *66* | * | * | 50·5 | * | 48·9 | * | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | *Brighton.* |
| *a Westminster* | *27* | *73* | *21st* | *43* | *24th* | *65·0* | *46·0* | *55·0* | + *7·7* | *91* | *0* | *1* | *0·01* | - *0·31* | *7·2* | + *3·3* | *52* | 0 | 36 | * | * | * | * | *Westminster.* |
| *a Greenwich* | *155* | *74* | *21st* | *37* | *21st* | *65·7* | *42·0* | *53·3* | + *6·0* | *79* | *0* | *2* | *0·02* | - *0·30* | *7·1* | + *2·1* | *51* | 5 | 21 | * | * | * | * | *Greenwich.* |
| *a Hampstead* | *450* | *71* | *21st* | *40* | *24th* | *63·2* | *45·0* | *53·7* | — | *82* | *0* | *1* | *0·02* | — | *7·3* | — | *53* | 0 | 32 | * | * | * | * | *Hampstead.* |
| *a Camden Square* | *110* | *76* | *21st* | *40* | *19th* | *67·7* | *44·1* | *55·3* | — | *93* | *0* | *2* | *0·03* | — | *7·2* | — | *52* | 0 | 32 | * | * | * | * | *Camden Square.* |
| | | | | | | | | | | | | | | | *6·5* | — | *46* | 5 | 24 | 46·9 | +1·9 | 44·8 | +2·6 | *Burnley.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | 8·1 | — | 58 | * | * | * | * | * | * | Hoylake. |
| *p* Aspatria | 250 | 69 | 21st | 36 | 19th | 61·6 | 40·9 | 50·8 | + 6·4 | 66 | 3 | 3 | 0·29 | - 0·22 | 8·8 | — | 63 | 4 | 24 | 49·8 | * | 46·4 | * | Aspatria. |
| *p* Newton Rigg | 559 | 72 | 21st | 34 | 19th | 63·6 | 38·6 | 50·5 | + 6·8 | 74 | 10 | 3 | 0·14 | - 0·36 | 8·7 | + 3·6 | 62 | 5 | 22 | 48·5 | +4·0 | 45·2 | +2·4 | Newton Rigg. |
| *p* Stonyhurst | 375 | 68 | 21st | 40 | 19, 20 | 61·9 | 42·7 | 51·8 | + 7·1 | 69 | 0 | 3 | 0·43 | - 0·20 | 7·6 | * | 54 | 3 | 29 | * | * | * | * | Stonyhurst. |
| *p* Blackpool | 66 | 67 | 20, 21 | 39 | 19, 21 | 60·7 | 43·1 | 51·5 | + 5·9 | 67 | 0 | 3 | 0·09 | - 0·34 | 8·3 | + 3·0 | 59 | 3 | 26 | 48·0 | * | 46·8 | * | Blackpool. |
| *p* Manchester (Whit. Pk.) | 125 | 75 | 21st | 42 | 19, 20 | 64·7 | 44·6 | 54·2 | + 7·5 | 85 | 0 | 3 | 0·28 | - 0·15 | *7·1* | + *3·4* | *51* | * | * | * | * | * | * | *Whit. Park.* |
| *a* Liverpool (Bidston) | 188 | 68 | 20, 21 | 42 | 19th | 61·3 | 45·4 | 53·0 | + 7·2 | 77 | 0 | 2 | 0·05 | - 0·33 | *8·0* | — | *57* | * | * | * | * | * | * | *Liverpool.* |
| *a Hawarden Bridge* | *22* | *73* | *21st* | *36* | *19th* | *66·0* | *42·4* | *53·6* | + *6·4* | *81* | *0* | *3* | *0·05* | - *0·25* | *8·0* | + *2·5* | *57* | 3 | 28 | 50·7 | +3·5 | 48·5 | +2·9 | *Southport.* |
| | | | | | | | | | | | | | | | *5·7* | — | *41* | 0 | 34 | 48·5 | +4·1 | 47·7 | +3·3 | *Manchester (City).* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 69 | 21st | 43 | 19th | 62·6 | 46·3 | 54·1 | + 7·3 | 85 | 0 | 2 | 0·07 | - 0·34 | 8·8 | + 3·5 | 63 | * | * | * | * | * | * | Llandudno. |
| *a* Holyhead | 57 | 62 | 19, 21 | 43 | 19th | 58·1 | 45·0 | 51·2 | + 5·0 | 61 | 0 | 0 | 0·00 | - 0·46 | *8·4* | — | *60* | * | * | * | * | * | * | *Holyhead.* |
| | | | | | | | | | | | | | | | 8·3 | — | 60 | * | * | * | * | * | * | Aberdovey. |

* For note see also opposite page. † At 3 feet. ‖ Hoar frost. § The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day° degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 8·8 | — | 63 | | | | | | | |
| *a* Llangammarch Wells | 550 | 72 | 21st | 29 | 19th | 64·0 | 36·7 | 49·7 | + 4·9 | 76 | 15 | 2 | 0·05 | — | 7·9 | — | 57 | 1 | 29 | 48·1 | +2·7 | 46·7 | +2·1 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 63 | 20th | 44 | 19th | 57·6 | 46·0 | 51·5 | + 5·2 | 67 | 0 | 1 | 0·02 | - 0·44 | 9·8 | + 3·8 | 71 | | | | | | | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 71 | 21st | 41 | 20th | 63·9 | 43·9 | 53·4 | + 5·2 | 80 | 0 | 1 | 0·02 | - 0·55 | *9·6* | — | *69* | 0 | 32 | 51·9 | +5·3 | 48·4 | +3·3 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 73 | 20, 21 | 41 | 19th | 66·0 | 45·6 | 55·3 | + 7·5 | 93 | 0 | 1 | 0·01 | - 0·51 | *9·3* | — | *67* | 0 | 36 | | | | | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 70 | 20, 21 | 39 | 24th | 63·7 | 44·3 | 53·5 | + 7·8 | 81 | 0 | 0 | 0·00 | - 0·53 | | | | | | 51·9 | | 48·2 | | Shaftesbury. |
| *a* Arlington .. .. | 613 | 71 | 21st | 40 | 20th | 62·7 | 42·0 | 51·9 | + 6·2 | 69 | 0 | 1 | 0·05 | - 0·63 | | | | | | | | | | Arlington. |
| *a Newquay* .. .. | *190* | *68* | *21st* | *41* | *19, 20, 22* | *59·3* | *44·1* | *51·3* | *+ 3·3* | *65* | *0* | *1* | *0·02* | *- 0·44* | 9·7 | + 3·9 | 71 | 0 | 32 | 51·7 | | 49·6 | | Newquay. |
| *a* Cullompton .. .. | 202 | 74 | 21st | 35 | 20th | 67·4 | 41·0 | 53·6 | + 6·5 | 85 | 3 | 0 | 0·00 | - 0·51 | 9·3 | + 4·1 | 67 | 0 | 31 | 53·6 | | | | Cullompton. |
| *a* Portland .. .. | 19 | 64 | 20th | 47 | 24, 25 | 58·3 | 48·9 | 53·4 | + 6·1 | 80 | 0 | 0 | 0·00 | — | *8·9* | — | *65* | | | | | | | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 68 | 20, 21 | 41 | 24th | 62·7 | 45·7 | 53·8 | + 5·7 | 83 | 0 | 1 | 0·01 | - 0·51 | 9·7 | + 4·0 | 71 | 0 | 36 | 53·2 | +4·3 | | | Plymouth. |
| *a* Falmouth .. .. | 167 | 66 | 22nd | 44 | 19th | 61·4 | 46·4 | 53·5 | + 5·8 | 81 | 0 | 0 | 0·00 | - 0·60 | 9·7 | + 3·6 | 71 | 0 | 40 | 54·9 | | 51·6 | | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. *a* Malin Head .. .. | 208 | 69 | 21st | 42 | 23rd | 58·6 | 45·7 | 51·8 | + 6·5 | 69 | 0 | 3 | 0·48 | + 0·05 | | | | | | | | | | |
| *a* Blacksod Point .. | 37 | 69 | 21st | 43 | 23rd | 55·3 | 45·9 | 50·4 | + 3·5 | 59 | 0 | 3 | 0·24 | - 0·42 | | | | | | | | | | |
| *p* Markree Castle .. | 122 | 69 | 21st | 33 | 21st | 61·6 | 39·7 | 50·1 | + 4·6 | 66 | 6 | 2 | 0·10 | - 0·48 | 7·1 | + 2·2 | 51 | 1 | 27 | 51·2 | | 47·5 | | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 71 | 21st | 37 | 21st | 62·3 | 40·7 | 51·0 | + 4·7 | 68 | 4 | 2 | 0·08 | - 0·40 | *8·6* | *+ 3·5* | *62* | | | | | | | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 70 | 21st | 37 | 19th | 61·9 | 42·0 | 51·5 | + 5·8 | 67 | 0 | 3 | 0·11 | - 0·37 | 7·8 | + 2·9 | 56 | 0 | 32 | 50·3 | +4·2 | 47·3 | +1·8 | Armagh. |
| *a* Donaghadee .. .. | 40 | 65 | 21, 22 | 40 | 23rd | 58·7 | 42·9 | 50·4 | + 4·9 | 59 | 0 | 3 | 0·15 | - 0·31 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 0 | 32 | 50·3 | +3·1 | 48·4 | +2·0 | *Trinity Coll.* |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 7·9 | + 2·4 | 56 | 4 | 28 | | | | | Phœnix Park. |
| *a*, East .. *p* Dublin, City .. .. | 47 | 68 | 21st | 42 | 19, 20 | 61·9 | 44·6 | 52·8 | + 5·0 | 76 | 0 | 0 | 0·00 | - 0·42 | | | | 0 | 40 | | | | | Dublin City. |
| *a* Kilkenny .. .. | 195 | 70 | 21st | 34 | 20th | 63·3 | 38·1 | 50·1 | + 3·6 | 73 | 11 | 1 | 0·01 | - 0·49 | | | | | | | | | | |
| *a* Waterford .. .. | 100 | 69 | 20th | 37 | 20th | 62·9 | 41·0 | 51·4 | + 4·8 | 70 | 3 | 1 | 0·02 | - 0·55 | | | | | | | | | | |
| *a Seskin, Carrick-on-Suir* | *541* | *68* | *21st* | *39* | *23rd* | *62·1* | *43·4* | *52·3* | — | *72* | *0* | *1* | *0·05* | — | *9·3* | — | *67* | 4 | 27 | | | | | *Seskin.* |
| *b*, West .. *a* Birr Castle .. .. | 175 | 71 | 21st | 37 | 21st | 62·3 | 40·7 | 51·0 | + 4·7 | 68 | 4 | 2 | 0·08 | - 0·40 | 8·6 | + 3·5 | 62 | | | | | | | Birr Castle. |
| *a* Foynes .. .. | 50 | 71 | 21st | 38 | 21st | 63·1 | 41·9 | 52·0 | + 4·6 | 70 | 0 | 1 | 0·07 | - 0·48 | | | | | | | | | | |
| *a* Cahir .. .. .. | 199 | 70 | 21st | 31 | 19th | 63·6 | 38·1 | 50·2 | + 4·2 | 74 | 11 | 2 | 0·04 | — | | | | | | | | | | |
| *a* Killarney .. .. | 174 | 72 | 20, 21 | 42 | 19, 21 | 65·4 | 44·9 | 54·7 | + 7·5 | 89 | 0 | 1 | 0·03 | - 0·74 | | | | | | | | | | |
| *a* Valencia .. .. | 30 | 64 | 21st | 38 | 21st | 58·3 | 43·9 | 50·8 | + 2·7 | 62 | 0 | 2 | 0·16 | - 0·73 | 7·4 | + 2·1 | 53 | | | | | | | Valencia. |
| *a* Roche's Point .. .. | 32 | 61 | 24th | 39 | 22nd | 58·6 | 43·0 | 50·4 | + 2·6 | 59 | 0 | 5 | 0·08 | - 0·55 | 8·4 | — | 60 | | | | | | | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 65 | 21st | 46 | 19-21 | 58·3 | 47·1 | 52·4 | + 3·7 | 73 | 0 | 0 | 0·00 | - 0·44 | 9·1 | + 3·1 | 66 | | | | | | | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 71 | 20th | 44 | 24th | 61·7 | 48·0 | 54·5 | + 5·5 | 88 | 0 | 1 | 0·12 | - 0·36 | 9·3 | + 2·9 | 68 | | | | | | | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 71 | 21st | 46 | 19, 20, 24 | 61·9 | 47·1 | 54·1 | + 5·3 | 85 | 0 | 0 | 0·00 | - 0·55 | 8·8 | + 2·2 | 64 | 0 | 40 | 53·9 | +4·9 | 51·0 | +2·8 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 8·8 hrs. 63 %; Ramsgate, 7·2 hrs. 52 %; Rhyl, 8·7 hrs. 62 %; Salcombe, 8·9 hrs. 65 %; Tenby, 9·8 hrs. (+3·6) 71 %; Torquay, 8·5 hrs. (+2·5) 62 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Apr. 25th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 47 | 46 | 46·3 | +2·3 |
| Kirkwall .. .. | 50 | 47 | 48·0 | +4·3 |
| Wick .. .. .. | 46 | 45 | 45·2 | +0·9 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 53 | 46 | 50·2 | +7·7 |
| Pennan Bay .. .. | 53 | 47 | 49·1 | +5·6 |
| Aberdeen, Cove Bay | 47 | 44 | 46·2 | +2·6 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 47 | 46 | 46·9 | +1·5 |
| Ballantrae .. .. | 52 | 47 | 49·5 | +4·5 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 48 | 41 | 43·7 | +1·6 |
| Scarborough .. .. | 52 | 47 | 49·5 | +5·7 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 50 | 48 | 49·2 | +4·8 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 52 | 50 | 51·3 | +4·7 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 50 | 47 | 48·1 | +2·5 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 51 | 51 | 51·0 | +2·1 |
| Scilly .. .. | 53 | 50 | 51·5 | - |
| Plymouth‡ .. .. | 53 | 52 | 52·2 | +3·7 |
| Salcombe .. .. | 54 | 51 | 51·9 | +4·4 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 52 | 49 | 50·6 | +3·2 |
| Teelin .. .. .. | 53 | 42 | 49·2 | +0·9 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 51 | 48 | 49·6 | +1·9 |
| Seafield .. .. | 55 | 47 | 51·6 | +2·2 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, April 25th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Aberdeen .. .. | 105 | — | — | — | — | 42 | 126 | W. by S. 11 | 23rd 14h. | 20 23rd 18. 5 |
| Rosyth .. .. | 73 | — | — | 23rd | 13 | 29 | 126 | W. 16 | 23rd 15h. | 26 23rd 14. 55 |
| **6** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 23rd | 12 | 37 | 119 | SW. by W. 15 | 23rd 13h. | 21 23rd 18. 15 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 34 | 134 | WSW. 10 | 23rd 17h. | 21 23rd 16. 40 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 19 | 149 | W. 8 | 23rd 18h. | 17 23rd 18. 20 |
| South Shields .. | 61 | — | — | — | — | 31 | 137 | NW. by W 10 | 23rd 18h. | 16 23rd 18. 0 |
| Spurn Head .. | 40 | — | — | 24th | 1 | 36 | 131 | WNW. 11 | 24th 15h. | 15 24th 15. 15 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | — | — | 58 | 110 | — 10 | 22nd 12h. | 14 24th 14. 40 |
| Shoeburyness .. | 90 | — | — | 22nd | 1 | 37 | 130 | — 11 | 22nd 18h. | 15 25th 6. 35 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 24, 25 | 2§ | 50§ | 68§ | — 11 | 25th 12h. | 16 25th 11. 50 |
| Warlingham .. | 33 | — | — | — | — | 12 | 156 | — 8 | 19th 13h. | 13 19th 13. 20 |
| Brighton .. .. | 53 | — | — | — | — | — | — | — — | — — | — — — |
| Kew .. .. .. | 40 | — | — | — | — | 23 | 145 | — 8 | 24th 12h. | 12 24th 12. 45 |
| South Kensington | 92 | — | — | — | — | 3 | 165 | E. by N. 6 | 19th 15h. | 11 19th 12. 50 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Southport .. .. | 62 | — | — | 22 to 25 | 38 | 32 | 98 | WSW. 15 | 24th 7h. | 21 24th 8. 10 |
| Holyhead .. .. | 40 | — | — | 22, 24 | 2 | 74 | 92 | W. 11 | 24th 10h. | 20 22nd 22. 30 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | — | — | 25th | 2 | 62 | 104 | N. 12 | 25th 7h. | 16 25th 6. 30 |
| Plymouth .. .. | 86 | — | — | — | — | 29 | 139 | — 7 | 19th 13h. | 12 23rd 9. 55 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | — | — | 69§ | 69§ | — 11 | 23rd 22h. | 16 22nd 22. 40 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — — | — — — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | — | - | 58§ | 105§ | NW. 9 | 24th 22h. | 15 24th 20. 10 |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**SIXTEENTH WEEK**—April 19th to April 25th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 72 | 34 | 58·3 | 41·3 | 49·4 | + 6·1 | 55 | + 27 | 2 | −15 | 3 | − 1 | 0·45 | −0·18 | 6·3 | +1·5 | 43 | 1021 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 75 | 25 | 62·8 | 38·1 | 50·0 | + 6·3 | 72 | + 38 | 11 | − 7 | 3 | 0 | 0·16 | −0·27 | 8·9 | +4·1 | 62 | 1023 |
| 2. ENGLAND, N.E. ... ... | 74 | 29 | 62·6 | 41·2 | 51·4 | + 6·9 | 69 | + 37 | 2 | −10 | 2 | − 2 | 0·11 | −0·25 | 8·6 | +3·7 | 61 | 1025 |
| 3. ENGLAND, EAST ... | 74 | 32 | 61·5 | 42·1 | 51·3 | + 5·5 | 65 | + 23 | 0 | −12 | 1 | − 2 | 0·10 | −0·26 | 7·8 | +2·6 | 56 | 1026 |
| 4. MIDLAND COUNTIES ... | 75 | 30 | 65·2 | 40·8 | 52·4 | + 6·6 | 78 | + 35 | 3 | −10 | 1 | − 2 | 0·01 | −0·39 | 8·5 | +3·7 | 61 | 1026 |
| 5. ENGLAND, S.E. ... ... | 74 | 30 | 63·2 | 43·2 | 52·7 | + 5·7 | 75 | + 30 | 0 | − 7 | 1 | − 2 | 0·04 | −0·36 | 8·5 | +3·2 | 61 | 1026 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 70 | 32 | 60·9 | 41·3 | 50·6 | + 5·5 | 63 | + 27 | 2 | − 9 | 3 | 0 | 0·42 | −0·19 | 7·8 | +2·6 | 55 | 1025 |
| 7. ENGLAND, N.W. ... ... | 75 | 34 | 61·8 | 43·3 | 52·1 | + 6·3 | 71 | + 34 | 0 | − 8 | 2 | − 1 | 0·17 | −0·28 | 8·4 | +3·3 | 60 | 1026 |
| 8. ENGLAND, S.W. ... ... | 74 | 29 | 62·8 | 44·1 | 53·0 | + 6·1 | 77 | + 34 | 0 | − 6 | 1 | − 2 | 0·02 | −0·52 | 9·3 | +3·8 | 67 | 1027 |
| 9. IRELAND, NORTH ... | 71 | 33 | 59·7 | 42·8 | 50·9 | + 5·0 | 62 | + 24 | 0 | − 8 | 3 | − 1 | 0·19 | −0·34 | 7·5 | +2·6 | 53 | 1025 |
| 10. IRELAND, SOUTH ... | 72 | 31 | 62·2 | 41·8 | 51·5 | + 4·2 | 67 | + 23 | 1 | − 4 | 2 | − 2 | 0·05 | −0·55 | 8·1 | +2·8 | 58 | 1026 |
| 11. ENGLISH CHANNEL ... | 71 | 44 | 60·6 | 47·4 | 53·7 | + 4·8 | 82 | + 33 | 0 | − 1 | 1 | − 3 | 0·04 | −0·43 | 9·1 | +2·7 | 66 | 1027 |

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 8 Weeks, March 1st to April 25th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 72 | 22 | * | * | * | * | 177 | + 53 | 146 | − 75 | 42 | + 4 | 7·71 | +0·66 | 4·1 | +0·5 | 34 | 1002 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 75 | 16 | * | * | * | * | 232 | + 68 | 194 | − 46 | 34 | + 3 | 4·38 | +0·49 | 5·0 | +1·1 | 40 | 1004 |
| 2. ENGLAND, N.E. ... ... | 74 | 25 | * | * | * | * | 278 | +106 | 115 | − 71 | 30 | + 1 | 2·59 | −0·44 | 5·2 | +0·9 | 42 | 1006 |
| 3. ENGLAND, EAST ... | 74 | 25 | * | * | * | * | 308 | + 83 | 97 | −100 | 31 | + 3 | 4·28 | +1·48 | 5·1 | +0·7 | 42 | 1009 |
| 4. MIDLAND COUNTIES ... | 75 | 24 | * | * | * | * | 313 | + 79 | 125 | − 76 | 33 | + 7 | 3·86 | +0·68 | 4·8 | +0·9 | 39 | 1009 |
| 5. ENGLAND, S.E. ... ... | 74 | 27 | * | * | * | * | 320 | + 80 | 55 | − 87 | 34 | + 9 | 5·96 | +2·84 | 5·1 | +0·8 | 42 | 1010 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 70 | 25 | * | * | * | * | 228 | + 58 | 122 | − 51 | 39 | + 8 | 7·60 | +1·71 | 4·9 | +0·8 | 40 | 1005 |
| 7. ENGLAND, N.W. ... ... | 75 | 25 | * | * | * | * | 261 | + 77 | 86 | − 66 | 35 | + 7 | 4·54 | +0·39 | 5·0 | +1·1 | 41 | 1008 |
| 8. ENGLAND, S.W. ... ... | 74 | 24 | * | * | * | * | 308 | + 72 | 51 | − 67 | 37 | + 9 | 8·22 | +3·53 | 5·2 | +0·8 | 42 | 1010 |
| 9. IRELAND, NORTH ... | 71 | 26 | * | * | * | * | 261 | + 57 | 109 | − 32 | 43 | + 8 | 6·52 | +1·79 | 4·9 | +1·1 | 40 | 1005 |
| 10. IRELAND, SOUTH ... | 72 | 26 | * | * | * | * | 314 | + 57 | 66 | − 40 | 41 | +10 | 6·52 | +1·33 | 5·2 | +0·8 | 43 | 1008 |
| 11. ENGLISH CHANNEL ... | 71 | 35 | * | * | * | * | 380 | + 99 | 6 | − 33 | 37 | + 6 | 6·76 | +2·85 | 5·3 | 0·0 | 43 | 1012 |

THE YEAR.—Aggregates, &c., for the Period of 16 Weeks, January 4th, 1914, to April 25th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 72 | 16 | * | * | * | * | 253 | + 75 | 376 | −139 | 82 | + 3 | 19·22 | +2·12 | 2·7 | +0·3 | 27 | 1003 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 75 | 15 | * | * | * | * | 319 | + 94 | 465 | −111 | 68 | + 6 | 9·36 | +0·99 | 3·3 | +0·4 | 33 | 1005 |
| 2. ENGLAND, N.E. ... ... | 74 | 24 | * | * | * | * | 425 | +183 | 288 | −166 | 62 | + 4 | 5·28 | −0·79 | 3·5 | +0·4 | 34 | 1008 |
| 3. ENGLAND, EAST ... | 74 | 19 | * | * | * | * | 447 | +145 | 288 | −211 | 58 | + 1 | 7·41 | +1·59 | 3·6 | +0·4 | 35 | 1012 |
| 4. MIDLAND COUNTIES ... | 75 | 15 | * | * | * | * | 463 | +139 | 349 | −152 | 61 | + 6 | 6·82 | −0·12 | 3·2 | +0·3 | 30 | 1011 |
| 5. ENGLAND, S.E. ... ... | 74 | 10 | * | * | * | * | 474 | +131 | 236 | −136 | 62 | + 9 | 10·54 | +3·43 | 3·7 | +0·5 | 35 | 1013 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 70 | 18 | * | * | * | * | 359 | + 89 | 305 | −100 | 79 | +12 | 16·66 | +2·74 | 2·9 | +0·1 | 29 | 1007 |
| 7. ENGLAND, N.W. ... ... | 75 | 22 | * | * | * | * | 422 | +155 | 223 | −151 | 67 | + 6 | 10·12 | +0·85 | 3·3 | +0·5 | 32 | 1009 |
| 8. ENGLAND, S.W. ... ... | 74 | 19 | * | * | * | * | 480 | +110 | 192 | −101 | 71 | +10 | 14·68 | +3·69 | 3·4 | +0·2 | 33 | 1011 |
| 9. IRELAND, NORTH ... | 71 | 25 | * | * | * | * | 415 | +101 | 243 | − 90 | 83 | +11 | 14·04 | +3·43 | 3·0 | +0·2 | 29 | 1005 |
| 10. IRELAND, SOUTH ... | 72 | 24 | * | * | * | * | 507 | + 85 | 174 | − 78 | 83 | +18 | 15·24 | +3·24 | 3·5 | +0·3 | 33 | 1008 |
| 11. ENGLISH CHANNEL ... | 71 | 25 | * | * | * | * | 583 | +106 | 72 | − 37 | 71 | + 3 | 12·13 | +2·92 | 3·9 | 0·0 | 36 | 1013 |

M.O., April 28, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) } No. 17. SEVENTEENTH WEEK, SUNDAY, APRIL 26TH, TO SATURDAY, MAY 2ND, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

During the earlier half of the week, when the central portion of a large anticyclone extended from the Atlantic over the whole of the United Kingdom, light variable airs were experienced in all but the extreme northern and southern districts. In the former region the wind was Westerly or South-Westerly, while in the latter it was chiefly Easterly. On Wednesday pressure diminished in the anticyclone, and along our south coasts the weather of the following day was influenced by a small barometrical depression which advanced over the Channel from the southward, causing heavy falls of rain in places, and thunder and lightning in several parts of England. Later on the depression passed away to the eastward, and the weather over the country generally was affected by a new anticyclone which spread down from the Icelandic region. In the front of this system a fresh, cold breeze from North or North-East was experienced, and sharp ground frosts occurred in many parts of Great Britain. At Worksop (Hodsock Priory) the thermometer early on Saturday fell to 24° in the screen, and to 19° on the grass, the screen temperature being the lowest observed in the locality in May since the year 1879. At the close of the week the anticyclone was beginning to move away to the eastward, and the wind was backing to the South-Eastward, with milder and less settled weather in the western and northern districts.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Unusual | Unusual | Moderate | Unusual | Moderate | Moderate | Moderate | Unusual | Unusual | Unusual | Very unusual |
| | Rainfall ... | Very light | Light | Very light | Nought | Very light | Very light | Light | Very light | Very light | Very light | Very light | Light |
| | Sunshine ... | Moderate | Abundant | Abundant | Abundant | Abundant | Abundant | Abundant | Abundant | Very abundant | Moderate | Abundant | Abundant |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 9 weeks from March 1st, 1914. | Warmth ... | 3 * 0 | 5 * 0 | 6 * 0 | 6 * 1 | 5 * 0 | 5 * 0 | 4 * 1 | 4 * 0 | 6 * 0 | 5 * 2 | 5 * 1 | 7 * 0 |
| | Rainfall ... | 4 * 2 | 4 * 3 | 2 * 4 | 3 * 3 | 3 * 3 | 4 * 3 | 5 * 1 | 3 * 3 | 6 * 3 | 4 * 2 | 3 * 3 | 5 * 3 |
| | Sunshine ... | 4 * 1 | 4 * 0 | 3 * 1 | 4 * 3 | 3 * 3 | 3 * 0 | 4 * 0 | 4 * 1 | 3 * 1 | 4 * 1 | 4 * 1 | 3 * 3 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 1913. Mar. 2nd.–May 31st. 13 weeks. | Warmth ... | 2 * 5 | 2 * 5 | 5 * 2 | 5 * 2 | 4 * 2 | 4 * 2 | 2 * 4 | 4 * 3 | 3 * 2 | 1 * 3 | 1 * 3 | 3 * 4 |
| | Rainfall ... | 6 * 2 | 5 * 3 | 5 * 4 | 5 * 2 | 7 * 3 | 6 * 1 | 8 * 2 | 7 * 3 | 6 * 1 | 7 * 2 | 6 * 1 | 7 * 3 |
| | Sunshine ... | 3 * 3 | 2 * 3 | 1 * 4 | 2 * 6 | 2 * 5 | 2 * 4 | 1 * 8 | 1 * 4 | 0 * 6 | 2 * 5 | 1 * 6 | 0 *10 |
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| | Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| | Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth .. | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| | Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(1216—19.) Wt. 229—611. 450. 5/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | **Temperature of the Air.** In Degrees Fahrenheit. | | | | | | | | | **Rainfall.** | | | **Bright Sunshine.** Hours per Day. | | | **Ground Temperature.** | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Average | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| **0.** SCOTLAND, N. | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| *p Baltasound* | 31 | 53 | *28th* | 31 | *1st* | *47·6* | *38·4* | *42·8* | — | *21* | *10* | *5* | *0·11* | — | *2·1* | — | *14* | • | • | 44·9 | • | • | • | *Baltasound.* |
| *a* Lerwick | 54 | 52 | 27th | 31 | 1st | 47·0 | 39·3 | 43·0 | + 0·6 | 18 | 8 | 2 | 0·10 | — | 3·4 | - 1·8 | 23 | • | • | • | • | • | • | Deerness. |
| *a* Stornoway | 5. | 55 | 26, 27 | 34 | 2nd | 51·4 | 41·7 | 46·3 | + 2·2 | 31 | 1 | 2 | 0·04 | - 0·60 | 3·6 | - 2·0 | 24 | • | • | • | • | • | • | Stornoway. |
| *a Castlebay, Barra Isd.* | 37 | 52 | *29th* | 39 | *1st* | *49·7* | *44·3* | *46·9* | + *1·8* | *34* | *0* | *0* | *0·00* | — | *4·2* | — | *28* | • | • | • | • | • | • | *Castlebay.* |
| *a* Wick | 81 | 59 | 27th | 34 | 1st | 51·1 | 40·4 | 45·5 | + 1·3 | 31 | 4 | 2 | 0·03 | - 0·41 | • | • | • | • | • | • | • | • | • | |
| *p* Strathpeffer | 200 | 62 | 27th | 28 | 2nd | 55·4 | 40·6 | 47·6 | + 2·9 | 45 | 4 | 0 | 0·00 | - 0·43 | 4·6 | - 0·4 | 31 | • | • | • | • | • | • | Strathpeffer. |
| *p* Glencarron | 500 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *p* Fort Augustus | 68 | 60 | 7th | 28 | 2nd | 53·3 | 40·9 | 46·8 | + 1·9 | 38 | 3 | 0 | 0·00 | - 0·51 | 5·6 | + 1·6 | 38 | • | • | • | • | • | • | Fort Augustus. |
| *p* Fort William | 175 | 60 | 29th | 35 | 2nd | 55·3 | 40·9 | 47·8 | + 1·8 | 45 | 3 | 0 | 0·00 | - 0·88 | • | • | • | • | • | • | • | • | • | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | 7·0 | • | 47 | 4 | 23 | 48·1 | +4·0 | 45·0 | +2·2 | Crathes S. |
| *p* Gordon Castle | 101 | 66 | 27th | 32 | 2nd | 56·6 | 39·4 | 47·6 | + 2·5 | 50 | 7 | 2 | 0·06 | - 0·31 | *7·0* | — | *47* | • | • | • | • | • | • | *Gordon Castle.* |
| *a* Nairn | 82 | 63 | 27th | 27 | 2nd | 54·4 | 39·1 | 46·4 | + 1·4 | 43 | 8 | 1 | 0·04 | - 0·31 | 5·5 | — | 37 | • | • | • | • | • | • | Nairn. |
| *a* Aberdeen | 46 | 67 | 26th | 35 | 1, 2 | 55·0 | 40·7 | 47·5 | + 2·7 | 44 | 4 | 2 | 0·15 | - 0·31 | 7·2 | + 1·7 | 48 | • | • | • | • | 45·3 | +2·4 | Aberdeen. |
| *a* Balmoral | 930 | 75 | 28th | 24 | 2nd | 65·3 | 34·9 | 49·4 | + 7·6 | 82 | 20 | 2 | 0·14 | - 0·38 | • | • | • | 3 | 21 | • | • | • | • | Balmoral. |
| *p* Crieff | 440 | 71 | 28th | 34 | 2nd | 59·1 | 38·3 | 48·2 | + 2·1 | 59 | 10 | 1 | 0·02 | - 0·48 | 7·3 | — | 50 | • | • | • | • | • | • | Balruddery. |
| *a* Leith | 18 | 67 | 28th | 38 | 2nd | 57·6 | 42·9 | 49·9 | + 3·6 | 55 | 0 | 1 | 0·08 | - 0·23 | • | • | • | • | • | • | • | • | • | |
| *a* West Linton | 800 | 64 | 28th | 29 | 29th | 56·4 | 33·6 | 44·5 | + 1·2 | 53 | 24 | 1 | 0·04 | — | *5·9* | — | *40* | 4 | 25 | • | • | • | • | *West Linton.* |
| *p* Marchmont | 498 | 74 | 28th | 32 | 2nd | 58·7 | 37·1 | 47·4 | + 3·4 | 58 | 14 | 1 | 0·10 | - 0·40 | 8·6 | + 3·6 | 59 | 1 | 28 | 49·3 | +6·0 | • | • | Marchmont. |
| *a Edinburgh* | 441 | 66 | *28th* | 37 | *1st* | *55·1* | *41·3* | *47·9* | — | *44* | *2* | *2* | *0·07* | — | 6·8 | — | 47 | 1 | 30 | • | • | • | • | Edinburgh. |
| **6.** SCOTLAND, W. | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *a* Poltalloch | 132 | 57 | 29, 30 | 35 | 29th | 54·9 | 42·0 | 48·1 | + 1·8 | 43 | 0 | 0 | 0·00 | - 0·59 | • | • | • | • | • | • | • | • | • | |
| *p* Glasgow Observatory | 189 | 61 | 28th | 38 | 1st | 56·0 | 41·7 | 48·5 | + 2·1 | 47 | 1 | 1 | 0·11 | - 0·39 | 5·3 | + 0·7 | 36 | 0 | 31 | • | • | • | • | Glasgow. |
| *p* Rothesay | 73 | 61 | 29th | 36 | 29th | 54·0 | 42·0 | 47·7 | + 1·1 | 40 | 0 | 0 | 0·00 | - 0·65 | *4·4* | • | *30* | 0 | 33 | 49·9 | • | 47·2 | +2·4 | *Rothesay.* |
| *a* Kilmarnock | 90 | 63 | 29th | 37 | 29th | 55·9 | 39·7 | 47·4 | + 1·0 | 47 | 6 | 1 | 0·02 | — | *4·2* | — | *29* | • | • | • | • | • | • | *Kilmarnock.* |
| *a* Colmonell | 150 | 63 | 30th | 37 | 26, 29 | 55·1 | 40·9 | 47·7 | + 1·2 | 45 | 3 | 1 | 0·11 | - 0·44 | • | • | • | 0 | 34 | • | • | • | • | |
| *p* Dumfries | 160 | 66 | 28, 29 | 38 | 28, 2 | 58·1 | 39·6 | 48·4 | + 1·7 | 55 | 7 | 1 | 0·02 | - 0·50 | *6·9* | — | *47* | 1 | 28 | 50·8 | • | 48·4 | • | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 68 | 29th | 33 | 26th | 58·0 | 37·4 | 47·2 | + 1·0 | 56 | 13 | 2 | 0·18 | - 0·51 | • | • | • | • | • | • | • | • | • | |
| *b.* I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 60 | 29th | 39 | 28th | 54·0 | 41·9 | 47·7 | + 1·5 | 40 | 0 | 2 | 0·19 | - 0·40 | 7·4 | + 1·0 | 51 | 0 | 35 | • | • | • | • | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 69 | 28th | 26 | 2nd | 57·0 | 38·1 | 47·1 | + 2·5 | 52 | 11 | 1 | 0·11 | - 0·32 | 7·7 | — | 53 | 1 | 22 | 49·5 | +5·9 | 47·4 | +3·9 | Cockle Park |
| *a* Shields | 96 | 64 | 28th | 33 | 2nd | 54·3 | 40·9 | 47·3 | + 2·1 | 42 | 3 | 1 | 0·08 | - 0·26 | • | • | • | • | • | • | • | • | • | |
| *p* Durham | 336 | 72 | 28, 29 | 26 | 2nd | 59·4 | 38·9 | 47·6 | + 2·8 | 61 | 14 | 1 | 0·05 | - 0·31 | 7·9 | + 3·1 | 54 | 2 | 22 | • | • | • | • | Durham. |
| *a,* North *p* Rounton | 249 | 70 | 28th | 27 | 2nd | 57·7 | 36·7 | 46·7 | + 2·0 | 55 | 15 | 1 | 0·03 | - 0·31 | • | • | • | 2 | 22 | 49·9 | • | • | • | Rounton. |
| *a West Witton* | 605 | 70 | *28th* | 28 | *2nd* | *58·6* | *37·7* | *47·7* | — | *58* | *12* | *1* | *0·02* | — | • | • | • | 1 | 22 | 49·9 | • | 45 0 | • | *West Witton.* |
| *p* Scarborough | 100 | 69 | 28th | 36 | 2nd | 55 6 | 43·1 | 49·1 | + 3·5 | 50 | 0 | 0 | 0·00 | - 0·42 | 8·3 | — | 57 | • | • | • | • | 48·7† | • | Scarborough. |
| *p* York | 56 | 69 | 29th | 32 | 2nd | 60·4 | 40·1 | 49·8 | + 2·6 | 63 | 5 | 0 | 0·00 | - 0·41 | 6·2 | + 1·3 | 43 | • | • | 50·2 | +4·0 | 47·6 | +2·9 | York. |
| *a* Spurn Head | 26 | 59 | 26, 28 | 39 | 30th | 54·6 | 42·4 | 48·2 | + 1·9 | 43 | 0 | 1 | 0·01 | - 0·26 | *4·5* | — | *31* | 2 | 28 | 49·1 | +3·9 | 46·6 | +2·4 | *Hull.* |
| *b,* South *a* Lincoln | 58 | 70 | 29th | 35 | 2nd | 60·3 | 40·9 | 50·1 | + 2·7 | 61 | 3 | 1 | 0·09 | - 0·27 | *7·1* | — | *49* | • | • | • | • | • | • | *Spurn Head.* |
| *a* Fulbeck | 180 | 70 | 29th | 32 | 26, 2 | 60·1 | 38·1 | 48·6 | + 1·3 | 63 | 11 | 2 | 0·06 | - 0·31 | • | • | • | • | • | 51·9 | +5·7 | 48·5 | +3·8 | Lincoln. |
| | | | | | | | | | | | | | | | 7·5 | — | 52 | 3 | 22 | 53·2 | +3·8 | 48·6 | +2·6 | Rauceby. |
| | | | | | | | | | | | | | | | 8·1 | — | 56 | • | • | • | • | • | • | Skegness. |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | *7·2* | — | *50* | 0 | 32 | 51·4 | +3·3 | 49·2 | +2·8 | *Lowestoft.* |
| *p* Cromer | 196 | 62 | 28th | 37 | 26th | 54·4 | 41·1 | 47·4 | + 1·9 | 42 | 3 | 0 | 0·00 | — | 8·5 | — | 59 | • | • | • | • | • | • | Cromer. |
| *p* Little Massingham | 280 | 71 | 29th | 36 | 26th | 60 3 | 39·4 | 49·4 | + 2·3 | 63 | 7 | 2 | 0·01 | - 0·40 | 9·5 | + 3·9 | 66 | 2 | 28 | • | • | • | • | Lit. Massingham. |
| *a,* North *a* Yarmouth | 17 | 54 | 27, 29 | 38 | 26th | 51·7 | 41·3 | 46·3 | + 0·4 | 33 | 2 | 0 | 0·00 | - 0·35 | 7·0 | — | 49 | • | • | 51·3 | +1·1 | 50·0 | +1·6 | Yarmouth. |
| *a* Norwich | 93 | 71 | 29th | 31 | 26th | 60·9 | 38·0 | 48·9 | + 2·4 | 65 | 11 | 1 | 0·01 | — | *8·6* | — | *60* | 1 | 27 | 51·0 | • | • | • | *Norwich.* |
| *a* Geldeston | 37 | 64 | 29th | 31 | 26th | 56·7 | 37·6 | 46·7 | - 0·3 | 51 | 12 | 0 | 0·00 | - 0·37 | 8·1 | + 2·3 | 57 | • | • | • | • | • | • | Geldeston. |
| *p* Cambridge | 41 | 72 | 29th | 29 | 26th | 60·4 | 36·3 | 47·8 | - 0·2 | 65 | 16 | 0 | 0·00 | - 0·36 | 7·9 | + 2·2 | 55 | 3 | 25 | 51·5 | +3·0 | 49·4 | +2·2 | Cambridge. |
| *a Felixstowe* | 10 | 58 | *29th* | 34 | *26th* | *52·3* | *40·7* | *46·2* | - *0·8* | *35* | *4* | *1* | *0·15* | — | *8·4* | — | *59* | • | • | • | • | • | • | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 58 | 29th | 38 | 26th | 52·7 | 41·7 | 46·9 | + 0·1 | 36 | 1 | 0 | 0·00 | — | 7·9 | — | 55 | 0 | 31 | 51·2 | +3·0 | 50·5 | • | Clacton. |
| *b,* South *a* Rothamsted | 424 | 68 | 29th | 30 | 26th | 58·6 | 34·1 | 46·8 | - 0·2 | 58 | 17 | 0 | 0·00 | - 0·38 | 8·1 | + 2·7 | 57 | • | • | • | • | • | • | Rothamsted. |
| *a Shoeburyness* | 13 | 59 | *29th* | 37 | *26, 27* | *53·9* | *39·7* | *46·5* | - *2·3* | *41* | *6* | *2* | *0·03* | - *0·23* | *8·9* | — | *62* | 0 | 36 | 52·6 | +3·5 | • | • | *Southend.* |
| *p* Tottenham | 51 | 70 | 29th | 35 | 26th | 59·7 | 40·4 | 49·6 | + 1·3 | 60 | 4 | 0 | 0·00 | — | 7·1 | — | 50 | 0 | 34 | • | • | 50·3 | +3·3 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | *6·4* | — | *44* | 1 | 21 | 49·6 | +4·0 | 45·8 | +3·9 | *Huddersfield.* |
| *a* Harrogate | 476 | 68 | 28th | 28 | 2nd | 57·6 | 38·6 | 47·6 | + 2·2 | 53 | 10 | 1 | 0·05 | - 0·39 | 7·1 | — | 49 | 2 | 18 | 48·5 | +4·2 | 47·6 | +3·5 | Harrogate. |
| *a* Bawtry | 65 | 70 | 28, 29 | 34 | 1, 2 | 62 0 | 38·4 | 49·6 | + 2·3 | 68 | 10 | 0 | 0·00 | - 0·35 | 5·9 | + 1·2 | 41 | 4 | 19 | 50·0 | • | 48·6 | • | Worksop. |
| *p Buxton* | 987 | 67 | *29th* | 25 | *2nd* | *58·0* | *36·0* | *46·5* | + *2·7* | *57* | *17* | *0* | *0·00* | - *0·67* | *6·8* | — | *47* | 3 | 19 | 49·4 | +4·2 | 45·6 | +2·3 | *Buxton.* |
| *a,* East *a* Nottingham | 82 | 70 | 29th | 28 | 2nd | 60·1 | 38·0 | 48·5 | + 1·3 | 62 | 11 | 2 | 0·02 | - 0·35 | 6·8 | — | 47 | 2 | 24 | 50·9 | +4·6 | 47·9 | +3·7 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 70 | 29th | 34 | 2nd | 59·7 | 41·1 | 50·0 | + 2·8 | 60 | 3 | 0 | 0·00 | - 0·44 | 5·4 | — | 38 | 4 | 24 | 48·4 | +3·6 | 47·0 | +2·5 | Birmingham. |
| *a* Raunds | 204 | 72 | 29th | 28 | 26th | 61·9 | 35·7 | 48·2 | + 1·0 | 70 | 18 | 0 | 0·00 | — | 7·7 | — | *54* | 5 | 20 | 51·8 | • | 48·1 | • | *Raunds.* |
| *p* Oxford | 268 | 72 | 29th | 30 | 2nd | 62·6 | 38·1 | 49·5 | + 1·3 | 69 | 11 | 1 | 0·02 | - 0·34 | 8·9 | + 3·5 | 62 | 2 | 22 | • | • | • | • | Oxford. |
| | | | | | | | | | | | | | | | 5·5 | — | 38 | 2 | 23 | 49·0 | +3·6 | 46·3 | +2·8 | Sheffield. |
| *a* Cheadle | 646 | 70 | 29th | 29 | 2nd | 58·7 | 39·7 | 48·7 | + 2·8 | 57 | 6 | 0 | 0·00 | - 0·46 | • | • | • | 1 | 27 | • | • | • | • | Cheadle. |
| *p* Shrewsbury | 191 | 73 | 29th | 27 | 2nd | 61·1 | 34·0 | 46·9 | - 1·3 | 68 | 22 | 0 | 0·00 | — | • | • | • | 2 | 25 | • | • | • | • | Shrewsbury. |
| *b,* West *a* Hereford§ | 291 | 70 | 29th | 27 | 2nd | 60·3 | 36·4 | 47·8 | - 0·4 | 64 | 16 | 0 | 0·00 | - 0·42 | *8·7* | • | *61* | 5 | 19 | 51·5 | • | 49·9 | • | *Malvern.§* |
| *a* Cirencester | 446 | 72 | 29th | 34 | 26, 2 | 60·8 | 41·2 | 50·5 | + 3·8 | 63 | 2 | 0 | 0·00 | - 0·43 | 8·4 | + 2·7 | 59 | 1 | 26 | 50·9 | • | 48·7 | • | Cirencester. |
| *a* Bath | 66 | 73 | 29th | 32 | 26th | 63·1 | 39·0 | 50·5 | + 2·0 | 72 | 8 | 0 | 0·00 | - 0·45 | 8·5 | — | 59 | • | • | • | • | • | • | Bath. |
| **5.** ENGLAND, S.E | | | | | | | | | | | | | | | • | • | • | 0 | 31 | 53·7 | +5·8 | 50·9 | +3·4 | Canterbury. |
| *p* Kew | 18 | 69 | 29th | 35 | 26th | 59·4 | 42·1 | 50·3 | + 1·9 | 58 | 0 | 0 | 0·00 | - 0·34 | 8·0 | + 2·6 | 56 | 3 | 26 | 50·0 | +1·8 | 48·9 | +2·2 | Kew. |
| *a* Marlborough | 424 | 73 | 29th | 29 | 26th | 60·9 | 33·6 | 46·6 | 0·0 | 67 | 21 | 0 | 0·00 | - 0·44 | 8·5 | + 3·4 | 59 | 5 | 24 | • | • | 48·9 | • | Marlborough. |
| *a* Margate | 35 | 60 | 29th | 37 | 27th | 58·0 | 42·9 | 49·1 | + 1·1 | 50 | 0 | 0 | 0·00 | - 0·31 | 9 0 | + 3·5 | 63 | 1 | 29 | 50·1 | +2 5 | 48·8 | +2·5 | Margate. |
| *a* Wisley, Surrey | 150 | 72 | 29th | 30 | 26th | 60·0 | 37·0 | 48·0 | - 1·0 | 63 | 14 | 0 | 0·00 | — | 7·4 | — | 52 | 5 | 19 | 50·2 | +2·4 | 48·6 | +1·8 | Wisley. |
| | | | | | | | | | | | | — | — | — | 9·8 | — | 70 | 0 | 33 | 53·4 | +4·0 | 50·6 | +3·2 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 73 | 29th | 32 | 26th | 61·6 | 37·3 | 48·9 | + 0·3 | 68 | 13 | 1 | 0·02 | - 0 51 | • | • | • | 1 | 29 | 53·4 | • | • | • | Salisbury. |
| *a* Tunbridge Wells | 418 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | Tunbridge Wells. |
| *a* Dungeness | 21 | 62 | 29th | 39 | 27th | 54·7 | 42·9 | 48·5 | + 1·0 | 46 | 6 | 1 | 0·01 | - 0·29 | 9·1 | — | 64 | • | • | • | • | • | • | Littlestone. |
| *p* Hastings | 178 | 69 | 29th | 38 | 26th | 57·9 | 43·1 | 50·1 | + 2·0 | 57 | 0 | 0 | 0·00 | - 0·37 | *9·8* | + *3·6* | *70* | 0 | 33 | 53·2 | • | 50·1 | • | *Hastings.* |
| *p* Southampton | 65 | 72 | 29th | 37 | 26th | 61·0 | 41·6 | 50·8 | + 0·9 | 63 | 1 | 1 | 0·09 | - 0·35 | 8·7 | + 2·7 | 61 | 2 | 29 | • | • | • | • | Southampton. |
| *a* Ventnor | 80 | 66 | 29th | 41 | 26th | 56·9 | 46·1 | 51·2 | + 1·5 | 64 | 0 | 1 | 0·09 | - 0·28 | 8·8 | + 2·4 | 62 | • | • | • | • | • | • | Ventnor. |
| | | | | | | | | | | | | | | | *9·2* | • | *64* | 0 | 33 | 53·5 | +3·3 | 52·0 | +3·2 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 9·7 | + 3·5 | 69 | • | • | 52·9 | • | 50·8 | • | Eastbourne. |
| | | | | | | | | | | | | | | | *8·9* | — | *63* | • | • | 51·5 | • | 50·7 | • | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | *9·3* | + *3·1* | *66* | 0 | 31 | • | • | 50·6 | • | *Brighton.* |
| *a Westminster* | 27 | 69 | *29th* | 39 | *26th* | *59·0* | *42·6* | *50·4* | + *1·6* | *59* | *0* | *0* | *0·00* | - *0·33* | 7·7 | + *3·4* | *54* | 0 | 33 | • | • | • | • | *Westminster.* |
| *a Greenwich* | 155 | 70 | *29th* | 32 | *26th* | *60·0* | *39·3* | *49·2* | + *0·5* | *62* | *8* | *0* | *0·00* | - *0·31* | *8·8* | + *3·5* | *62* | 5 | 17 | • | • | • | • | *Greenwich.* |
| *a Hampstead* | 450 | 68 | *29th* | 33 | *27th* | *57·3* | *39·1* | *47·8* | — | *53* | *8* | *0* | *0·00* | — | *8·5* | — | *59* | 2 | 27 | • | • | • | • | *Hampstead.* |
| *a Camden Square* | 110 | 72 | *29th* | 34 | *23th* | *62·1* | *40·4* | *50·7* | — | *68* | *4* | *0* | *0·00* | — | 7·7 | — | *54* | 1 | 28 | • | • | • | • | *Camden Square.* |
| **7.** *a,* ENGLAND, N.W. | | | | | | | | | | | | | | | *6·9* | — | *48* | 5 | 20 | 48·9 | +4·4 | 45·9 | +2·8 | *Burnley.* |
| | | | | | | | | | | | | | | | 6·1 | — | 42 | • | • | • | • | • | • | Hoylake. |
| *p* Aspatria | 250 | 62 | 29th | 36 | 29th | 56·0 | 38·7 | 46·9 | + 1·4 | 48 | 9 | 1 | 0·02 | - 0·48 | 6·4 | — | 44 | 4 | 27 | 50·6 | • | 47·2 | • | Aspatria |
| *p* Newton Rigg | 559 | 68 | 29th | 33 | 29th | 58·1 | 37·9 | 47·1 | + 2·3 | 57 | 14 | 1 | 0·01 | - 0·51 | 7·8 | + 2·4 | 53 | 5 | 23 | 50·0 | +4·6 | 46·6 | +3·1 | Newton Rigg. |
| *p* Stonyhurst | 375 | 64 | 28th | 34 | 2nd | 57 0 | 39·7 | 47·8 | + 1 9 | 51 | 6 | 0 | 0·00 | - 0·63 | 7·9 | + 2·5 | 55 | 6 | 19 | • | • | • | • | Stonyhurst |
| *p* Blackpool | 66 | 56 | 28th | 32 | 2nd | 53·3 | 40·4 | 46·5 | - 0·2 | 38 | 4 | 1 | 0·07 | - 0·38 | 7·0 | + 1·4 | 49 | 2 | 24 | 50·1 | • | 47·6 | • | Blackpool. |
| *p* Manchester (Whit. Pk.) | 125 | 69 | 28th | 34 | 2nd | 57·3 | 41·3 | 48·9 | + 0·8 | 51 | 2 | 1 | 0·04 | - 0·39 | *6·1* | + *2·1* | *42* | • | • | • | • | • | • | *Whit. Park.* |
| *a* Liverpool (Bidston) | 188 | 61 | 28th | 34 | 2nd | 53·6 | 41·5 | 47·5 | + 0·3 | 39 | 0 | 1 | 0·01 | - 0·38 | 6·2 | — | *43* | • | • | • | • | • | • | *Liverpool.* |
| *a Hawarden Bridge* | 22 | 65 | *28th* | 33 | *2nd* | *55·6* | *39·9* | *47·4* | - *1·1* | *47* | *6* | *0* | *0·00* | - *0·33* | 7·3 | + *1·4* | *51* | 3 | 24 | 52·1 | +3·4 | 50·1 | +3·2 | *Southport.* |
| | | | | | | | | | | | | | | | *5·1* | — | *35* | 1 | 29 | 51·0 | +4·7 | 49·3 | +4·1 | *Manchester (City).* |
| *b,* NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 63 | 28th | 35 | 2nd | 56·6 | 41·9 | 48·9 | + 1·1 | 49 | 0 | 0 | 0·00 | - 0·41 | 6·3 | + 1·3 | 48 | • | • | • | • | • | • | Llandudno. |
| *a* Holyhead | 57 | 57 | 28th | 38 | 2nd | 54·3 | 42·7 | 48·2 | + 0 9 | 43 | 0 | 1 | 0·04 | - 0·43 | *7·5* | — | *52* | • | • | • | • | • | • | *Holyhead.* |
| | | | | | | | | | | | | | | | 9·3 | — | 65 | • | • | • | • | • | • | Aberdovey. |

* For note see also opposite page. † At 3 feet. ‖ Hoar frost. The temperature on the grass refers to Hereford.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | **Temperature of the Air.** In Degrees Fahrenheit. | | | | | | | | | | **Rainfall.** | | | **Bright Sunshine.** Hours per Day. | | | **Ground Temperature.** | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. | | | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). | | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. | | Earth 1 ft. | | Earth 4 ft. | | |
| | | | | | | Of Highest each day. | Of Lowest each day. | For whole of each day. | | Above 42° | Below 42° | | | | | | | Ground Frosts. | Lowest Reading. | Mean. | Difference from average. | Mean. | Difference from average | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | • | in. | in | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES. | | | | | | | | | | | | | | | 9·1 | | 66 | • | • | • | • | • | • | |
| *a* Llangammarch Wells | 550 | 72 | 29th | 31 | 26, 2 | 60·6 | 34·9 | 47·1 | + 1·2 | 66 | 20 | 1 | 0·01 | — | 7·6 | — | 53 | 6 | 22 | 49·6 | +3·3 | 47·6 | +2·3 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 65 | 29th | 43 | 1, 2 | 57·4 | 45·7 | 51·3 | + 4·0 | 65 | 0 | 1 | 0·04 | − 0·41 | 8·8 | + 2·5 | 62 | • | • | • | • | • | • | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 69 | 29th | 35 | 2nd | 61·7 | 42·0 | 51·4 | + 2·1 | 66 | 0 | 1 | 0·07 | − 0·49 | *8·6* | — | *60* | 1 | 30 | 54·0 | +6·5 | 50·1 | +4·1 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 74 | 29th | 34 | 2nd | 63·3 | 42·9 | 52·6 | + 3·5 | 74 | 0 | 0 | 0·00 | − 0·51 | *8·4* | — | *59* | 0 | 36 | • | • | • | • | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 72 | 29th | 35 | 2nd | 59·7 | 40 9 | 49·9 | + 3·0 | 60 | 3 | 0 | 0·00 | − 0·51 | • | • | • | • | • | 53·0 | • | 49·9 | • | Shaftesbury. |
| *a* Arlington .. .. | 613 | 71 | 29th | 39 | 26, 2 | 61·1 | 41·1 | 50·6 | + 4·1 | 64 | 3 | 1 | 0 03 | − 0·64 | • | • | • | • | • | • | • | • | • | Arlington. |
| *a Newquay* .. .. | *190* | *66* | *29th* | *41* | *26th* | *59·3* | *44·3* | *51·4* | + *2·6* | *66* | *0* | *1* | *0·04* | − *0·39* | 9·5 | + 3·4 | 67 | 0 | 34 | 53·7 | • | 50·6 | • | Newquay. |
| *a* Cullompton .. .. | 202 | 74 | 29th | 35 | 26th | 64·4 | 39·6 | 51·4 | + 3·1 | 76 | 7 | 1 | 0·05 | − 0·46 | 8·3 | + 2·8 | 59 | 1 | 29 | 55·9 | • | • | • | Cullompton. |
| *a* Portland .. .. | 19 | 60 | 29th | 41 | 28th | 54·6 | 45·1 | 49·6 | + 1·2 | 53 | 0 | 2 | 0·09 | — | *8·7* | — | *62* | • | • | • | • | • | • | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 71 | 29th | 40 | 26th | 61·3 | 46·0 | 53·3 | + 3·9 | 79 | 0 | 2 | 0·11 | − 0·39 | 9·3 | + 3·2 | 66 | 0 | 34 | 54·9 | +4·9 | • | • | Plymouth. |
| *a* Falmouth .. .. | 167 | 65 | 29th | 42 | 27th | 58·0 | 46·9 | 52·2 | + 3·4 | 71 | 0 | 1 | 0·13 | − 0·44 | 9·6 | + 3·1 | 68 | 0 | 39 | 56·5 | • | 53·4 | • | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Malin Head .. .. | 208 | 52 | 26-29 | 42 | 2nd | 51·1 | 44·6 | 47·7 | + 1·4 | 40 | 0 | 1 | 0·01 | − 0·44 | • | • | • | • | • | • | • | • | • | • |
| *a*, West .. *a* Blacksod Point .. | 37 | 59 | 28, 1 | 41 | 28, 30, 1 | 56·7 | 42·6 | 49·3 | + 1·5 | 51 | 0 | 1 | 0·04 | − 0·61 | • | • | • | • | • | • | • | • | • | • |
| *p* Markree Castle .. | 122 | 64 | 29th | 33 | 27th | 59·6 | 35·9 | 47·2 | + 0·6 | 62 | 17 | 1 | 0·07 | − 0·51 | 6·4 | + 1·2 | 44 | 4 | 29 | 52·1 | • | 48·4 | • | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 69 | 28th | 36 | 26, 28 | 62·1 | 39·0 | 50·0 | + 2·7 | 69 | 8 | 1 | 0·04 | − 0·46 | *9·8* | + *4·4* | *68* | • | • | • | • | • | • | *Birr Castle.* |
| *p* Armagh .. .. | 196 | 59 | 29th | 37 | 26, 29, 30 | 55·3 | 40 0 | 47·3 | + 0·6 | 46 | 6 | 2 | 0·03 | − 0·48 | 3·8 | − 1·5 | 23 | 1 | 30 | 50·6 | +3·0 | 48·3 | +2·0 | Armagh. |
| *b*, East .. *a* Donaghadee .. .. | 40 | 56 | 30th | 40 | 26th | 52 0 | 44·4 | 48·0 | + 1·4 | 42 | 0 | 2 | 0·05 | − 0·42 | • | • | • | • | • | • | • | • | • | • |
| | | | | | | | | | | | | | | | • | • | • | 0 | 31 | 51·5 | +3·3 | 49·5 | +2·3 | *Trinity Coll.* |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 7·2 | + 1·4 | 50 | 6 | 27 | • | • | • | • | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 61 | 26th | 41 | 26th | 55·9 | 43·9 | 49·6 | + 0·8 | 53 | 0 | 0 | 0·00 | − 0·43 | • | • | • | 0 | 39 | • | • | • | • | Dublin City. |
| *a*, East .. *a* Kilkenny .. | 195 | 69 | 29th | 35 | 26th | 62·6 | 40·4 | 51·0 | + 3·3 | 70 | 4 | 1 | 0·06 | − 0·44 | • | • | • | • | • | • | • | • | • | • |
| *a* Waterford .. .. | 100 | 67 | 30th | 40 | 28, 29 | 62·0 | 43·3 | 52·2 | + 4·5 | 71 | 0 | 1 | 0·18 | − 0·35 | • | • | • | • | • | • | • | • | • | • |
| *a Seskin, Carrick-on-Suir* | *541* | *66* | *28, 29* | *41* | *26, 28* | *59·7* | *42·0* | *50·4* | — | *59* | *0* | *1* | *0·35* | — | *9·9* | — | *69* | 2 | 29 | • | • | • | • | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 69 | 28th | 36 | 26, 28 | 62·1 | 39·0 | 50·0 | + 2·7 | 69 | 8 | 1 | 0·04 | − 0·46 | 9·8 | + 4·4 | 68 | • | • | • | • | • | • | Birr Castle. |
| *a* Foynes .. .. .. | 50 | 66 | 28th | 39 | 28th | 62·0 | 42·1 | 51·6 | + 3·2 | 67 | 0 | 1 | 0·02 | − 0·52 | • | • | • | • | • | • | • | • | • | • |
| *b*, West .. *a* Cahir .. .. | 199 | 69 | 29th | 35 | 26th | 62·4 | 40·7 | 51·0 | + 3·7 | 68 | 4 | 1 | 0·06 | — | • | • | • | • | • | • | • | • | • | • |
| *a* Killarney .. .. | 174 | 75 | 29th | 38 | 26th | 66·8 | 43·4 | 54·5 | + 6·2 | 88 | 0 | 1 | 0·06 | − 0·69 | • | • | • | • | • | • | • | • | • | • |
| *a* Valencia .. .. | 30 | 64 | 27, 30 | 40 | 28th | 60·6 | 43·4 | 51·6 | + 2·6 | 67 | 0 | 2 | 0·13 | − 0·71 | 9·4 | + 3·7 | 66 | • | • | • | • | • | • | Valencia. |
| *a* Roche's Point .. .. | 32 | 65 | 30th | 42 | 26th | 56·3 | 45·3 | 50·5 | + 1·8 | 60 | 0 | 5 | 0·28 | − 0·34 | 7·8 | — | 55 | • | • | • | • | • | • | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 62 | 29, 30 | 45 | 27, 2 | 58·4 | 47·6 | 52·7 | + 3·2 | 75 | 0 | 1 | 0·08 | − 0·35 | 9·1 | + 2 7 | 65 | • | • | • | • | • | • | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 71 | 29th | 44 | 26th | 62·6 | 48·0 | 55·0 | + 4·9 | 91 | 0 | 1 | 0·04 | − 0·44 | 9·2 | + 2·4 | 65 | • | • | • | • | • | • | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 66 | 29th | 44 | 2nd | 59·3 | 47·1 | 52·9 | + 3·1 | 76 | 0 | 2 | 0·10 | − 0·43 | 8·8 | + 1·7 | 62 | 0 | 41 | 54·2 | +4·2 | 52·4 | +3·6 | Guernsey.* |

Additional Sunshine Means:—*Bognor 9·0 hrs. 64 %; Ramsgate, 9·1 hrs. 64 %; Rhyl, 6·7 hrs. 47 %; Salcombe, 9·3 hrs. 68 %; Tenby, 9·1 hrs. (+2·7) 64 %; Torquay, 9·0 hrs. (+2·7) 64 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, May 2nd.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 46 | 45 | 45·1 | +0 9 |
| Kirkwall .. .. | 49 | 47 | 48·2 | +4 0 |
| Wick .. .. .. | 46 | 45 | 45·4 | +0·5 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 51 | 43 | 48·5 | +5·5 |
| Pennan Bay .. .. | 51 | 46 | 49·0 | +5·2 |
| Aberdeen, Cove Bay | 47 | 47 | 47·0 | +2·9 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 47 | 46 | 47·0 | +1·4 |
| Ballantrae .. .. | 51 | 48 | 49 7 | +4·3 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 45 | 39 | 42·5 | -0·2 |
| Scarborough .. .. | 53 | 47 | 50·1 | +5 7 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 50 | 48 | 49·4 | +3·8 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 53 | 51 | 52·1 | +4·5 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 51 | 47 | 48·6 | +2·6 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 53 | 50 | 52·2 | +3·2 |
| Scilly .. .. | 55 | 52 | 53 2 | — |
| Plymouth‡ .. .. | 54 | 52 | 53·1 | +4·1 |
| Salcombe .. .. | 54 | 51 | 52·4 | +4·2 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 51 | 50 | 50·8 | +2·9 |
| Teelin .. .. .. | 55 | 49 | 51 7 | +2 8 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 52 | 50 | 50·7 | +2·3 |
| Seafield .. .. | 57 | 50 | 53·3 | +3·4 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, May 2nd.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. | | | | | | | | Extreme Velocities. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Gales force 8 or more. | | High Winds, forces 6 and 7. | | Fresh or Moderate Winds forces 4 and 5. | | Calms and Light Airs. | | Highest Hourly Wind. | | | | Highest Gust with Date and Time. | | |
| | | Dates of Occurrence. | Total Duration. | Dates of Occurrence. | Total Duration. | Total Duration. | | Total Duration. | | Direction and Velocity. | | Date and Hour. | | | | |
| | ft. | | hr. | | hr. | hr. | | hr. | | | m/s. | | | m/s. | d. | h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | |
| Aberdeen .. .. | 105 | — | — | — | — | 35 | | 133 | | NW.by W | 10 | 26th | 20h. | 14 | 26th | 19.30 |
| Rosyth .. .. | 73 | — | — | — | — | — | | — | | — | — | — | — | — | — | — |
| **6** SCOTLAND, W. | | | | | | | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | — | — | 33 | | 135 | | W. by N. | 9 | 26th | 16h. | 14 | 26th | 16.30 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 31§ | | 113§ | | NW.by N. | 7 | 26th | 14h. | 16 | 26th | 14.55 |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 13 | | 155 | | SSE. | 9 | 2nd. | 17h. | 13 | 2nd | 16.35 |
| South Shields .. | 61 | — | — | 2nd | 5 | 38 | | 123 | | SSE. | 12 | 2nd | 18h. | 16 | 2nd | 18. 0 |
| Spurn Head .. | 40 | — | — | 2nd | 4 | 66 | | 98 | | SE. | 12 | 2nd | 19h. | 15 | 2nd | 19. 5 |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 30 to 2 | 32 | 42 | | 94 | | — | 13 | 1st | 2h. | 19 | 1st | 5.20 |
| Shoeburyness .. | 90 | — | — | 30 to 2 | 14 | 60 | | 94 | | NE.by E. | 12 | 30th | 15h. | 18 | 1st | 8.15 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 30, 1 | 26 | 50 | | 92 | | — | 18 | 30th | 23h. | 20 | 1st | 7.35 |
| Warlingham .. | 33 | — | — | — | — | 34 | | 134 | | — | 9 | 1st | 10h. | 21 | 1st | 10 20 |
| Brighton .. .. | 53 | — | — | 30,h | 3 | 69 | | 96 | | — | 12 | 30th | 19h. | 18 | 2nd | 12.25 |
| Kew .. .. .. | 40 | — | — | — | — | 18 | | 150 | | — | 7 | 2nd | 17h. | 13 | 1st | 9.15 |
| South Kensington | 92 | — | — | — | — | 17 | | 151 | | E. by N. | 8 | 2nd | 15h. | 13 | 30th | 20.15 |
| **7.** ENGLAND, N.W. | | | | | | | | | | | | | | | | |
| Southport .. .. | 62 | — | — | — | — | 72 | | 96 | | E. by N. | 10 | 30th | 9h. | 16 | 2nd | 15.20 |
| Holyhead .. .. | 40 | — | — | 30, 2 | 13 | 38 | | 117 | | ENE. | 14 | 30th | 13h. | 17 | 30th | 13.25 |
| **8.** ENGLAND, S.W. | | | | | | | | | | | | | | | | |
| Pendennis Castle.. | 65 | — | — | 28, 1, 2 | 47 | 28 | | 93 | | SE. | 17 | 2nd | 11h. | 21 | 2nd | 9.50 |
| Plymouth .. .. | 86 | — | — | 2nd | 12 | 38 | | 118 | | — | 13 | 2nd | 12h. | 17 | 2nd | 12.10 |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 1, 2 | 17§ | 16§ | | 80§ | | — | 14 | 2nd | 10h. | 21 | 2nd | 10.20 |
| Roches Point .. | 30 | — | — | — | — | — | | — | | — | — | — | — | — | — | — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | 1, 2 | 25 | 44 | | 99 | | SE. | 14 | 2nd | 1.h | 19 | 2nd | 13.30 |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**SEVENTEENTH WEEK**—April 26th to May 2nd, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest. | Lowest. | Means of | | | | Accumulated Number of Day-Degrees. | | | | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | | | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | | | | | | | | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 62 | 28 | 52·3 | 40·6 | 46·2 | + 1·5 | 35 | + 2 | 4 | − 8 | 1 | − 3 | 0·03 | −0·62 | 4·3 | −0·4 | 29 | 1025 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 75 | 24 | 57·9 | 38·3 | 47·6 | + 2·5 | 55 | + 17 | 10 | − 3 | 1 | − 3 | 0·08 | −0·38 | 7·1 | +2·1 | 48 | 1026 |
| 2. ENGLAND, N.E. ... ... | 72 | 26 | 57·7 | 39·7 | 48·3 | + 2·4 | 54 | + 17 | 6 | − 2 | 1 | − 3 | 0·05 | −0·32 | 7·6 | +2·4 | 52 | 1026 |
| 3. ENGLAND, EAST ... | 72 | 29 | 57·3 | 39·1 | 47·8 | + 0·6 | 53 | + 5 | 8 | 0 | 0 | − 4 | 0·00 | −0·39 | 8·0 | +2·4 | 56 | 1026 |
| 4 MIDLAND COUNTIES ... | 73 | 27 | 60·7 | 38·2 | 48·9 | + 1·6 | 64 | + 15 | 11 | 0 | 1 | − 3 | 0·01 | −0·43 | 7·1 | +2·0 | 49 | 1025 |
| 5. ENGLAND, S.E. ... ... | 73 | 29 | 58·7 | 40·7 | 49·3 | + 0·9 | 57 | + 7 | 4 | 0 | 1 | − 3 | 0·02 | −0·44 | 8·8 | +3·1 | 61 | 1025 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 68 | 33 | 55·8 | 40·7 | 47·8 | + 1·2 | 46 | + 5 | 4 | − 3 | 1 | − 3 | 0·08 | −0·59 | 6·4 | +1·2 | 44 | 1026 |
| 7. ENGLAND, N.W. ... ... | 69 | 32 | 55·8 | 40·5 | 47·7 | + 0·6 | 46 | + 4 | 4 | − 1 | 1 | − 3 | 0·02 | −0·48 | 7·3 | +2·1 | 51 | 1026 |
| 8. ENGLAND, S.W. ... ... | 74 | 31 | 60·2 | 42·5 | 50·9 | + 2·8 | 62 | + 15 | 0 | − 3 | 1 | − 3 | 0·05 | −0·57 | 8·9 | +3·2 | 62 | 1023 |
| 9. IRELAND, NORTH ... | 69 | 33 | 56·1 | 41·1 | 48·3 | + 1·3 | 48 | + 6 | 3 | − 2 | 1 | − 3 | 0·04 | −0·54 | 5·1 | +0·2 | 35 | 1025 |
| 10. IRELAND, SOUTH ... | 75 | 35 | 61·2 | 42·4 | 51·3 | + 2·9 | 65 | + 16 | 0 | − 3 | 1 | − 3 | 0 09 | −0·58 | 8·6 | +3·2 | 59 | 1024 |
| 11. ENGLISH CHANNEL ... | 71 | 44 | 60·1 | 47·6 | 53·5 | + 3·6 | 81 | + 26 | 0 | 0 | 1 | − 3 | 0·07 | −0·45 | 9·0 | +2·3 | 64 | 1022 |

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 9 Weeks, March 1st to May 2nd, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 72 | 22 | * | * | * | * | 212 | + 55 | 150 | − 83 | 43 | + 1 | 7·74 | +0·04 | 4·2 | +0·5 | 33 | 1005 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 75 | 16 | * | * | * | * | 287 | + 85 | 204 | − 49 | 35 | 0 | 4·46 | +0·11 | 5·2 | +1·2 | 41 | 1006 |
| 2. ENGLAND, N.E. ... ... | 74 | 25 | * | * | * | * | 332 | +123 | 121 | − 73 | 31 | − 2 | 2·64 | −0·76 | 5·5 | +1·1 | 44 | 1009 |
| 3. ENGLAND, EAST ... | 74 | 25 | * | * | * | * | 361 | + 88 | 105 | −100 | 31 | − 1 | 4·28 | +1·09 | 5·5 | +1·0 | 44 | 1011 |
| 4. MIDLAND COUNTIES ... | 75 | 24 | * | * | * | * | 377 | + 94 | 136 | − 76 | 34 | + 4 | 3·87 | +0·25 | 5·0 | +0·9 | 40 | 1011 |
| 5. ENGLAND, S.E. ... ... | 74 | 27 | * | * | * | * | 377 | + 87 | 59 | − 87 | 35 | + 6 | 5·98 | +2·40 | 5·5 | +1·0 | 44 | 1012 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 70 | 25 | * | * | * | * | 274 | + 63 | 126 | − 54 | 40 | + 5 | 7·68 | +1·12 | 5·1 | +0·9 | 40 | 1008 |
| 7. ENGLAND, N.W. ... ... | 75 | 25 | * | * | * | * | 307 | + 81 | 90 | − 67 | 36 | + 4 | 4·56 | −0·09 | 5·3 | +1·3 | 42 | 1010 |
| 8. ENGLAND, S.W. ... ... | 74 | 24 | * | * | * | * | 370 | + 87 | 51 | − 70 | 38 | + 6 | 8·27 | +2·96 | 5·6 | +1·0 | 45 | 1012 |
| 9. IRELAND, NORTH ... | 71 | 26 | * | * | * | * | 309 | + 63 | 112 | − 34 | 44 | + 5 | 6·56 | +1·25 | 4·9 | +0·9 | 39 | 1007 |
| 10. IRELAND, SOUTH ... | 75 | 26 | * | * | * | * | 379 | + 73 | 66 | − 43 | 42 | + 7 | 6·61 | +0·75 | 5·6 | +1·1 | 45 | 1010 |
| 11. ENGLISH CHANNEL ... | 71 | 35 | * | * | * | * | 461 | +125 | 6 | − 33 | 38 | + 3 | 6·83 | +2·40 | 5·7 | +0·3 | 46 | 1013 |

THE YEAR.—Aggregates, &c., for the Period of 17 Weeks, January 4th, 1914, to May 2nd, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 72 | 16 | * | * | * | * | 288 | + 77 | 380 | −147 | 83 | 0 | 19·25 | +1·50 | 2·8 | +0·2 | 27 | 1004 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 75 | 15 | * | * | * | * | 374 | +111 | 475 | −114 | 69 | + 3 | 9·44 | +0·61 | 3·5 | +0·5 | 34 | 1006 |
| 2. ENGLAND, N.E. ... ... | 74 | 24 | * | * | * | * | 479 | +200 | 294 | −168 | 63 | + 1 | 5·33 | −1·11 | 3·7 | +0·5 | 35 | 1010 |
| 3. ENGLAND, EAST ... | 74 | 19 | * | * | * | * | 500 | +150 | 296 | −211 | 58 | − 3 | 7·41 | +1·20 | 3·9 | +0·5 | 37 | 1012 |
| 4. MIDLAND COUNTIES ... | 75 | 15 | * | * | * | * | 527 | +154 | 360 | −152 | 62 | + 3 | 6·83 | −0·55 | 3·4 | +0·4 | 32 | 1012 |
| 5. ENGLAND, S.E. ... ... | 74 | 10 | * | * | * | * | 531 | +138 | 240 | −136 | 63 | + 6 | 10·56 | +2·99 | 4·0 | +0·7 | 37 | 1013 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 70 | 18 | * | * | * | * | 385 | + 94 | 309 | −103 | 80 | + 9 | 16·74 | +2·15 | 3·1 | +0·1 | 30 | 1006 |
| 7. ENGLAND, N.W. ... ... | 75 | 22 | * | * | * | * | 468 | +159 | 227 | −152 | 68 | + 3 | 10·14 | +0·37 | 3·5 | +0·6 | 34 | 1010 |
| 8. ENGLAND, S.W. ... ... | 74 | 19 | * | * | * | * | 542 | +125 | 192 | −104 | 72 | + 7 | 14·73 | +3·12 | 3·8 | +0·4 | 35 | 1012 |
| 9. IRELAND, NORTH ... | 71 | 25 | * | * | * | * | 463 | +107 | 246 | − 92 | 84 | + 8 | 14·08 | +2·89 | 3·2 | +0·3 | 30 | 1006 |
| 10. IRELAND, SOUTH ... | 75 | 24 | * | * | * | * | 572 | +101 | 174 | − 81 | 84 | +15 | 15·33 | +2·66 | 3·8 | +0·5 | 35 | 1009 |
| 11. ENGLISH CHANNEL ... | 71 | 25 | * | * | * | * | 664 | +132 | 72 | − 37 | 72 | 0 | 12·20 | +2·47 | 4·2 | +0·1 | 39 | 1013 |

M.O., May 6, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) } No. 18. EIGHTEENTH WEEK, SUNDAY, MAY 3RD, TO SATURDAY, MAY 9TH, 1914. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

During the earlier half of the week, when a large barometrical depression extended over the United Kingdom from the Atlantic, the wind on all but our extreme northern coasts was South-Westerly or Westerly, and in the western and southern districts it blew with considerable strength. Rain was frequent, but the amount was, as a rule, not large: thunderstorms occurred on the 5th at several places situated in the north and east of Great Britain. The centre of the disturbance passed on the same day eastward across Scotland, but in its rear numerous small secondaries were developed, and on the 7th and 8th the gradual deepening of one of these systems over Scotland was attended by a heavy fall of rain in the northern and central districts. At Fort Augustus the total quantity for the two days amounted to nearly 3 inches, and at Gordon Castle to 2½ inches, thunderstorms occurring at the same time in many parts of England. On the 8th and 9th, when the centre of the disturbance passed to the North Sea, the wind, which had previously been rather variable, shifted to the North-Westward, and blew with the force of a gale in many places. Temperature at the same time decreased rapidly, and on the 9th a slight fall of snow occurred in several parts of North Britain.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Unusual | Unusual | Moderate | Unusual | Deficient | Moderate | Unusual | Moderate | Moderate | Unusual |
| | Rainfall ... | Very heavy | Very heavy | Heavy | Heavy | Heavy | Heavy | Heavy | Very heavy | Heavy | Very heavy | Heavy | Heavy |
| | Sunshine ... | Very scanty | Very scanty | Scanty | Scanty | Scanty | Scanty | Very scanty | Very scanty | Scanty | Scanty | Very scanty | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 10 weeks from March 1st, 1914. | Warmth ... | 3 * 0 | 5 * 0 | 7 * 0 | 7 * 1 | 5 * 0 | 6 * 0 | 4 * 2 | 4 * 0 | 7 * 0 | 5 * 2 | 5 * 1 | 8 * 0 |
| | Rainfall ... | 5 * 2 | 5 * 3 | 3 * 4 | 4 * 3 | 4 * 3 | 5 * 3 | 6 * 1 | 4 * 3 | 7 * 3 | 5 * 2 | 4 * 3 | 6 * 3 |
| | Sunshine ... | 4 * 2 | 4 * 1 | 3 * 2 | 4 * 4 | 3 * 4 | 3 * 1 | 4 * 1 | 4 * 2 | 3 * 2 | 4 * 2 | 4 * 2 | 3 * 4 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 1913. Mar. 2nd.–May 31st. 13 weeks. | Warmth ... | 2 * 5 | 2 * 5 | 5 * 2 | 5 * 2 | 4 * 2 | 4 * 2 | 2 * 4 | 4 * 3 | 3 * 2 | 1 * 3 | 1 * 3 | 3 * 4 |
| | Rainfall ... | 6 * 2 | 5 * 3 | 5 * 4 | 5 * 2 | 7 * 3 | 6 * 1 | 8 * 2 | 7 * 3 | 6 * 1 | 7 * 2 | 6 * 1 | 7 * 3 |
| | Sunshine ... | 3 * 3 | 2 * 3 | 1 * 4 | 2 * 6 | 2 * 5 | 2 * 4 | 1 * 8 | 1 * 4 | 0 * 6 | 2 * 5 | 1 * 6 | 0 *10 |
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| | Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| | Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| | Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881–1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(1273—19.) Wt. 229—611. 450. 5/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration | Ground Temperature. Grass Min. Ground Frosts | Lowest Reading. | Earth 1 ft. Mean | Difference from Average. | Earth 4 ft. Mean. | Difference from Average. | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | *58* | *7th* | *34* | *9th* | *50·4* | *42·1* | *46·0* | — | *28* | *0* | *5* | *0·81* | — | *1·3* | — | *8* | • | • | 47·6 | • | • | • | *Baltasound.* |
| *a* Lerwick | 54 | 50 | 5, 7 | 34 | 9th | 47·1 | 41·6 | 44·2 | + 1·1 | 17 | 1 | 6 | 0·80 | — | 1·4 | - 4·0 | 9 | • | • | • | • | • | • | Deerness. |
| *a*, Islands .. *a* Stornoway | | 55 | 5th | 34 | 9th | 51·0 | 43·0 | 46·8 | + 2·0 | 34 | 0 | 7 | 0·64 | + 0·02 | 1·6 | - 4·1 | 10 | • | • | • | • | • | • | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *53* | *5th* | *36* | *9th* | *50·0* | *44·3* | *47·0* | + *1·3* | *35* | *0* | *5* | *0·33* | — | *2·1* | — | *14* | • | • | • | • | • | • | *Castlebay.* |
| *a* Wick | 81 | 57 | 4th | 35 | 9th | 48·9 | 41·6 | 45·0 | 0·0 | 23 | 1 | 6 | 1·50 | + 1·05 | • | • | • | • | • | • | • | • | • | |
| *p* Strathpeffer | 200 | 60 | 4th | 35 | 3rd | 54·9 | 40·1 | 47·1 | + 1·3 | 44 | 5 | 6 | 2·01 | + 1·57 | 1·5 | - 3·7 | 10 | • | • | • | • | • | • | Strathpeffer. |
| *b*, Main- *p* Glencarron | 500 | | | | | | | | | | | 6 | 2·42 | + 1·20 | • | • | • | • | • | • | • | • | • | |
| land. *p* Fort Augustus | 68 | 58 | 5th | 36 | 9th | 52·3 | 41·4 | 46·5 | + 0·9 | 34 | 2 | 6 | 3·11 | + 2·58 | 0·7 | - 3·4 | 5 | • | • | • | • | • | • | Fort Augustus. |
| *p* Fort William | 175 | 56 | 6th | 37 | 9th | 51·3 | 41·9 | 46·3 | - 0·4 | 31 | 0 | 6 | 1·14 | + 0·26 | • | • | • | • | • | • | • | • | • | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle | 101 | 62 | 4th | 37 | 9th | 54·7 | 42·4 | 48·2 | + 2·1 | 43 | 0 | 7 | 2·62 | + 2·24 | 2·3 | • | 15 | 0 | 35 | 48·6 | +3·3 | 45·8 | +2·2 | Crathes S. |
| *a* Nairn | 82 | 63 | 4th | 34 | 9th | 53·7 | 40·4 | 46·7 | + 0·7 | 40 | 4 | 7 | 2·64 | + 2·27 | 2·2 | — | *14* | • | • | • | • | • | • | *Gordon Castle.* |
| *a* Aberdeen | 46 | 65 | 4th | 37 | 9th | 54·1 | 43·9 | 48·7 | + 3·0 | 47 | 0 | 7 | 1·68 | + 1·21 | 2·1 | — | 14 | • | • | • | • | • | • | Nairn. |
| *a* Balmoral | 930 | 61 | 4th | 31 | 3rd | 54·1 | 40·6 | 47·0 | + 4·2 | 41 | 4 | 5 | 1·67 | + 1·15 | 2·8 | - 2·9 | 18 | • | • | • | • | 46·2 | +2·8 | Aberdeen. |
| *p* Crieff | 440 | 57 | 4, 6 | 34 | 3rd | 51·4 | 40·9 | 45·8 | - 1·1 | 31 | 3 | 5 | 0·80 | + 0·28 | • | • | • | 1 | 27 | • | • | • | • | Balmoral. |
| *a* Leith | 18 | 60 | 4th | 37 | 3rd | 53·0 | 43·1 | 47·8 | + 0·8 | 41 | 0 | 6 | 1·11 | + 0·77 | 2·7 | — | 18 | • | • | • | • | • | • | Balrudderv. |
| *a* West Linton | 800 | 57 | 4th | 31 | 3rd | 49·9 | 38·0 | 43·6 | - 0·3 | 28 | 11 | 6 | 1·80 | — | • | • | • | • | • | • | • | • | • | |
| *p* Marchmont | 498 | 60 | 4th | 31 | 3rd | 52·0 | 40·4 | 45·9 | + 1·1 | 34 | 4 | *0·8* | — | *5* | *2·3* | - *2·9* | *15* | 2 | 26 | • | • | • | • | *West Linton.* |
| *a Edinburgh* | *441* | *59* | *4th* | *38* | *3rd* | *51·4* | *42·6* | *46·7* | — | *33* | *0* | *5* | *1·21* | — | 1·9 | — | 13 | 1 | 28 | 49·0 | +4·0 | • | • | Marchmont. |
| **6.** SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | • | • | • | • | Edinburgh. |
| *a* Poltalloch | 132 | 57 | 4, 5 | 37 | 9th | 51·7 | 41·9 | 46·5 | - 0·9 | 32 | 0 | 6 | 1·06 | + 0·46 | • | • | • | • | • | • | • | • | • | |
| *p* Glasgow Observatory | 189 | 57 | 4th | 39 | 9th | 50·7 | 44·1 | 47·2 | - 0·3 | 36 | 0 | 6 | 0·84 | + 0·32 | 0·3 | - 4·5 | 2 | 0 | 34 | • | • | • | • | Glasgow. |
| *p* Rothesay | 73 | 56 | 6th | 39 | 9th | 50·7 | 43·6 | 46·9 | - 0·8 | 34 | 0 | 4 | 0·65 | 0·00 | *1·9* | • | *13* | 0 | 35 | 49·7 | • | 48·0 | +2·7 | *Rothesay.* |
| *a* Kilmarnock | 90 | 57 | 4th | 39 | 9th | 53·0 | 41·6 | 47·0 | - 0·2 | 37 | 1 | 6 | 1·03 | — | *1·0* | — | *7* | 0 | • | • | • | • | • | *Kilmarnock.* |
| *a* Colmonell | 150 | 56 | 4th | 40 | 8, 9 | 52·1 | 43·6 | 47·6 | + 0·1 | 39 | 0 | 6 | 1·48 | + 0·92 | • | • | • | 0 | 36 | • | • | • | • | |
| *p* Dumfries | 160 | 57 | 6th | 38 | 9th | 52·1 | 43·0 | 47·3 | - 0·4 | 37 | 0 | 5 | 0·81 | + 0·27 | *1·7* | — | *11* | 0 | 31 | 50·1 | • | 49·4 | • | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 55 | 4, 6 | 40 | 3, 8 | 52·3 | 44·0 | 47·9 | + 0·7 | 41 | 0 | 6 | 1·01 | + 0·32 | • | • | • | • | • | • | • | • | • | |
| *b*. I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 54 | 5th | 38 | 9th | 51·3 | 44·1 | 47·5 | + 0·5 | 39 | 0 | 7 | 2·05 | + 1·47 | 3·1 | - 3·6 | 21 | 0 | 38 | • | • | • | • | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 57 | 4th | 39 | 9th | 49·1 | 45·4 | 47·1 | + 1·4 | 36 | 0 | 7 | 0·79 | + 0·34 | 2·8 | — | 19 | 0 | 31 | 48·1 | +3·2 | 47·6 | +3·6 | Cockle Park |
| *a* Shields | 96 | 62 | 4th | 41 | 3, 4, 9 | 54·0 | 43·4 | 48·4 | + 2·3 | 45 | 0 | 7 | 1·23 | + 0·87 | • | • | • | • | • | • | • | • | • | |
| *p* Durham | 336 | 59 | 4th | 34 | 3rd | 53·4 | 42·4 | 47·6 | + 1·8 | 39 | 0 | 7 | 0·70 | + 0·32 | 2·4 | - 2·6 | 16 | 1 | 30 | • | • | • | • | Durham. |
| *a*, North .. *p* Rounton | 249 | 60 | 4th | 36 | 3rd | 54·6 | 43·1 | 48·5 | + 2·3 | 46 | 0 | 6 | 0·71 | + 0·37 | • | • | • | 0 | 31 | 50·5 | • | • | • | Rounton. |
| *a West Witton* | *605* | *58* | *4th* | *36* | *3rd* | *52·6* | *42·4* | *47·2* | — | *36* | *0* | *6* | *0·69* | — | • | • | • | 1 | 30 | 49·7 | • | 45·9 | • | *West Witton.* |
| *p* Scarborough | 100 | 61 | 4th | 41 | 3, 4, 9 | 55·3 | 43·7 | 49·2 | + 2·6 | 50 | 0 | 7 | 0·80 | + 0·40 | 3·1 | — | 21 | • | • | • | • | 49·4† | • | Scarborough. |
| *p* York | 56 | 63 | 4th | 35 | 3rd | 56·9 | 43·9 | 50·0 | + 1·6 | 56 | 0 | 5 | 0·54 | + 0·12 | 1·9 | - 3·2 | 13 | • | • | 50·3 | +3·0 | 48·3 | +2·8 | York. |
| *a* Spurn Head | 26 | 62 | 4, 5 | 42 | 3, 4, 9 | 57·4 | 44·3 | 50·5 | + 3·1 | 60 | 0 | 7 | 0·65 | + 0·56 | *2·1* | — | *14* | 0 | 36 | 49·6 | +2·8 | 47·4 | +2·6 | *Hull.* |
| *b*, South .. *a* Lincoln | 58 | 62 | 3, 4 | 37 | 3rd | 57·1 | 45·4 | 50·9 | + 2·3 | 62 | 0 | *3·5* | — | *23* | • | • | • | • | • | • | • | • | • | *Spurn Head.* |
| *a* Fulbeck | 180 | 62 | 2nd | 36 | 2nd | 57·0 | 44·3 | 50·3 | + 2·0 | 58 | 0 | 6 | 0·59 | + 0·21 | • | • | • | • | • | 51·6 | +4·4 | 49·1 | +3·6 | Lincoln. |
| **3.** ENGLAND, E. | | | | | | | | | | | | 7 | 0·63 | + 9·23 | 3·9 | — | 26 | 1 | 23 | 52·9 | +2·8 | 49·5 | +2·7 | Rauceby. |
| *p* Cromer | 196 | 65 | 4th | 42 | 3, 8, 9 | 59·1 | 45·6 | 52·0 | + 5·3 | 70 | 0 | 5 | 0·72 | — | 4·5 | — | 30 | • | • | • | • | • | • | Skegness. |
| *p* Little Massingham | 280 | 64 | 3rd | 35 | 3rd | 58·0 | 44·0 | 50·6 | + 2·4 | 60 | 0 | 6 | 0·64 | + 0·24 | *5·0* | — | *34* | 0 | 34 | 52·8 | +3·4 | 50·0 | +2·8 | *Lowestoft.* |
| *a*, North .. *a* Yarmouth | 17 | 66 | 4th | 43 | 9th | 58·7 | 46·4 | 52·2 | + 5·0 | 71 | 0 | 7 | 0·73 | + 0·37 | 4·1 | — | 28 | • | • | • | • | • | • | Cromer. |
| *a* Norwich | 93 | 65 | 4th | 38 | 3rd | 59·4 | 45·9 | 52·3 | + 4·6 | 72 | 0 | 6 | 0·57 | — | 4·3 | — | 29 | • | • | • | • | • | • | Lit. Massingham. |
| *a* Geldeston | 37 | 64 | 4th | 42 | 3, 9 | 60·3 | 46·4 | 52·9 | + 4·9 | 76 | 0 | 6 | 0·76 | + 0·38 | *4·5* | — | *31* | 1 | 30 | 52·7 | +1·6 | 50·6 | +1·3 | Yarmouth. |
| *p* Cambridge | 41 | 64 | 3rd | 38 | 3rd | 59·3 | 45·3 | 51·9 | + 2·8 | 69 | 0 | 6 | 0·39 | + 0·02 | 4·5 | — | 31 | • | • | • | • | • | • | *Norwich.* |
| *p Felixstowe* | *10* | *64* | *4, 7* | *40* | *3rd* | *58·9* | *46·6* | *52·4* | + *4·2* | *73* | *0* | *6* | *0·47* | — | 4·0 | - 2·0 | 27 | 1 | 27 | 52·0 | +2·4 | 50·1 | +2·1 | Geldeston. |
| South .. *a* Clacton-on-Sea | 54 | 63 | 4th | 43 | 3rd | 58·3 | 47·4 | 52·5 | + 4·6 | 74 | 0 | *5·6* | — | *38* | • | • | • | • | • | • | • | • | • | Cambridge. |
| *a* Rothamsted | 424 | 62 | 3, 4 | 38 | 3rd | 57·6 | 44·7 | 50·8 | + 2·6 | 62 | 0 | 6 | 0·57 | — | 4·6 | — | 31 | 0 | 40 | 52·0 | +3·0 | 51·0 | +2·4 | *Felixstowe.* |
| *a Shoeburyness* | *13* | *65* | *4th* | *40* | *6th* | *59·6* | *47·3* | *53·1* | + *3·1* | *78* | *0* | 5 | 0·69 | + 0·29 | 3·8 | - 1·9 | 26 | • | • | • | • | • | • | Clacton. |
| *p* Tottenham | 51 | 65 | 4th | 40 | 3rd | 57·9 | 47·6 | 52·4 | + 3·0 | 73 | 0 | *3* | *0·42* | + *0·16* | *5·1* | — | *35* | 0 | 40 | 53·0 | +2·8 | • | • | Rothamsted. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | 4 | 1·13 | — | 4·0 | — | 27 | 0 | 37 | • | • | 51·0 | +3·2 | *Southend.* |
| *a* Harrogate | 476 | 59 | 4th | 33 | 3rd | 53·7 | 42·7 | 47·9 | + 1·5 | 41 | 0 | 6 | 0·62 | + 0·15 | *2·5* | — | *17* | 1 | 27 | 49·1 | +2·4 | 46·5 | +3·0 | Tottenham. |
| *a* Bawtry | 65 | 64 | 3, 4 | 29 | 3rd | 57·6 | 39·1 | 47·8 | - 0·5 | 53 | 8 | 6 | 0·31 | - 0·05 | 2·8 | — | 19 | 1 | 28 | 48·5 | +3·3 | 48·1 | +3·4 | *Huddersfield.* |
| *p Buxton* | *987* | *56* | *4th* | *31* | *8th* | *51·3* | *40·3* | *45·5* | + *0·9* | *32* | *5* | 6 | 0·31 | - 1·8 | 3·1 | - 1·8 | 21 | 1 | 25 | 50·7 | • | 49·0 | • | Harrogate. |
| *a*, East .. *a* Nottingham | 82 | 61 | 3, 4 | 36 | 3rd | 57·0 | 44·4 | 50·3 | + 2·0 | 58 | 0 | *7* | *2·45* | + *1·78* | *2·2* | — | *15* | 1 | 26 | 48·8 | +2·3 | 46·3 | +2·1 | Worksop. |
| *p* Birmingham, Edgbsn. | 535 | 61 | 3rd | 39 | 3rd | 55·0 | 44·1 | 49·2 | + 1·0 | 50 | 0 | 6 | 0·59 | + 0·21 | 2·5 | — | 17 | 0 | 32 | 50·9 | +3·2 | 48·5 | +3·3 | Buxton. |
| *a* Raunds | 204 | 65 | 4th | 32 | 3rd | 59·0 | 43·3 | 50·7 | + 2·4 | 61 | 0 | 5 | 0·57 | + 0·12 | 2·9 | — | 20 | 0 | 33 | 48·0 | +1·9 | 47·3 | +2·5 | Birmingham. |
| *p* Oxford | 208 | 61 | 3, 7 | 42 | 3, 8 | 57·3 | 46·4 | 51·5 | + 2·0 | 67 | 0 | 6 | 0·71 | + 0·34 | *4·5* | — | *31* | 1 | 26 | 52·2 | • | 48·9 | • | *Raunds.* |
| *a* Cheadle | 646 | 57 | 4th | 36 | 3rd | 53·3 | 41·9 | 47·3 | + 0·3 | 38 | 0 | 3·8 | - 1·9 | 26 | 3·5 | — | 24 | 1 | 27 | 49·0 | +2·4 | 47·0 | +2·8 | Oxford. |
| *p* Shrewsbury | 191 | 63 | 3rd | 40 | 3, 8 | 57·0 | 44·9 | 50·6 | + 1·6 | 60 | 0 | 7 | 1·59 | + 1·13 | • | • | • | 0 | 33 | • | • | • | • | Sheffield. |
| *b*, West .. *a* Hereford§ | 291 | 62 | 3rd | 40 | 8th | 57·1 | 45·4 | 50·9 | + 1·7 | 62 | 0 | 7 | 0·45 | — | • | • | • | 0 | 37 | • | • | • | • | Cheadle. |
| *a* Cirencester | 446 | 62 | 7th | 42 | 8th | 57·3 | 47·3 | 52·0 | + 4·3 | 70 | 0 | 7 | 0·76 | + 0·32 | *3·4* | *23* | 0 | 34 | 51·3 | • | 50·5 | • | • | Shrewsbury. |
| *a* Bath | 66 | 63 | 3rd | 41 | 3rd | 58·1 | 46·6 | 52·0 | + 2·5 | 70 | 0 | 7 | 1·08 | + 0·64 | 3·4 | - 2·6 | 23 | 0 | 35 | 50·5 | • | 49·3 | • | *Malvern.*§ |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | 6 | 1·06 | + 0·62 | 4·3 | — | 29 | • | • | 53·7 | +3·2 | 51·3 | +2·7 | Cirencester. |
| *p* Kew | 18 | 64 | 3rd | 42 | 3rd | 58·0 | 48·1 | 52·8 | + 3·4 | 76 | 0 | 4 | 1·07 | + 0·72 | • | • | • | 0 | 32 | 54·7 | +5·9 | 52·0 | +3·2 | Bath. |
| *a* Marlborough | 424 | 62 | 3rd | 40 | 3, 8 | 56·0 | 45·4 | 50·4 | + 2·8 | 59 | 0 | 7 | 1·27 | + 0·84 | 4·1 | - 1·7 | 28 | 0 | 31 | 51·3 | +2·1 | 49·4 | +1·8 | Canterbury. |
| *a* Margate | 35 | 64 | 3, 4 | 44 | 9th | 59·9 | 47·4 | 53·3 | + 4·3 | 79 | 0 | 2 | 0·14 | - 0·18 | 3·5 | - 1·9 | 24 | 0 | 35 | • | • | 49·6 | • | Kew. |
| *a* Wisley, Surrey | 150 | 62 | 4th | 41 | 3rd | 57·3 | 46·6 | 51·6 | + 1·9 | 67 | 0 | 3 | 0·52 | — | 5·2 | - 0·6 | 35 | 0 | 38 | 50·9 | +2·3 | 49·2 | +2·2 | Marlborough. |
| | | | | | | | | | | | | — | — | — | 4·5 | — | 31 | 1 | 29 | 51·6 | +2·5 | 49·3 | +1·7 | Margate. |
| *p* Salisbury (Wilton) | 180 | 63 | 3rd | 41 | 8th | 58·3 | 46·1 | 51·8 | + 2·2 | 69 | 0 | 6 | 1·02 | + 0·52 | 4·2 | — | 29 | 0 | 40 | 54·6 | +3·3 | 51·3 | +3·0 | Wisley. |
| *a* Tunbridge Wells | 418 | | | | | | | | | | | | | | • | • | • | 0 | 38 | 54·4 | • | • | • | Worthing. |
| *a* Dungeness | 21 | 59 | 3rd | 45 | 3, 9 | 56·6 | 47·9 | 52·0 | + 3·5 | 70 | 0 | 5 | 0·26 | - 0·03 | • | • | • | • | • | • | • | • | • | Salisbury. |
| *p* Hastings | 178 | 58 | 4th | 44 | 9th | 56·0 | 47·7 | 51·6 | + 2·4 | 67 | 0 | 3 | 0·27 | - 0·09 | 5·6 | — | 38 | • | • | • | • | • | • | Tunbridge Wells |
| *p* Southampton | 65 | 61 | 3, 7 | 43 | 8th | 57·9 | 48·0 | 52·7 | + 2·0 | 75 | 0 | 7 | 0·77 | + 0·33 | *4·2* | *- 2·5* | *29* | 0 | 35 | 54·2 | • | 51·0 | • | *Dungeness.* |
| *a* Ventnor | 80 | 59 | 3rd | 45 | 3rd | 56·4 | 48·1 | 52·0 | + 1·6 | 70 | 0 | 4 | 0·34 | - 0·03 | 3·5 | - 2·8 | 24 | 0 | 39 | • | • | • | • | *Hastings.* |
| | | | | | | | | | | | | | | | 4·2 | - 2·6 | 29 | • | • | • | • | • | • | Southampton. |
| | | | | | | | | | | | | | | | *3·3* | • | *23* | 0 | 42 | 54·0 | +2·5 | 52·3 | +2·6 | Ventnor. |
| | | | | | | | | | | | | | | | 5·0 | - 1·6 | 34 | • | • | 53·8 | • | 51·8 | • | *Portsmouth.* |
| LONDON. | | | | | | | | | | | | | | | *4·1* | — | *28* | • | • | 52·2 | • | 51·0 | • | Eastbourne. |
| *a Westminster* | *27* | *63* | *4th* | *44* | *3rd* | *58·6* | *48·4* | *53·2* | + *3·0* | *78* | *0* | *4* | *1·13* | + *0·78* | *4·4* | *- 2·1* | *30* | 0 | 42 | • | • | • | • | *Bournemouth.* |
| *a Greenwich* | *155* | *67* | *3rd* | *40* | *3rd* | *60·7* | *46·9* | *53·4* | + *3·6* | *80* | *0* | *4* | *0·97* | + *0·65* | 3·9 | - 0·8 | 27 | 0 | 38 | • | • | • | • | *Brighton.* |
| *a Hampstead* | *450* | *61* | *3, 4* | *40* | *3rd* | *56·5* | *45·3* | *50·6* | — | *60* | *0* | *5* | *1·20* | — | *4·6* | *- 0·9* | *31* | 1 | 29 | • | • | • | • | *Westminster.* |
| *a Camden Square* | *110* | *66* | 3rd | *39* | *3rd* | *60·6* | *47·1* | *53·5* | — | *81* | *0* | *4* | *1·16* | — | *3·5* | — | *24* | 0 | 32 | • | • | • | • | *Greenwich.* |
| | | | | | | | | | | | | | | | *4·0* | — | 27 | 0 | 34 | • | • | • | • | *Hampstead.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | *1·8* | — | *12* | 0 | 33 | 49·2 | +3·3 | 46·9 | +2·8 | *Camden Square.* |
| *p* Aspatria | 250 | 56 | 4th | 38 | 9th | 52·4 | 42·3 | 47·1 | + 0·6 | 36 | 0 | 6 | 1·40 | + 0·87 | 1·8 | — | 12 | • | • | • | • | • | • | *Burnley.* |
| *p* Newton Rigg | 559 | 55 | 4, 5 | 36 | 3rd | 51·3 | 41·7 | 46·2 | + 0·4 | 31 | 1 | 7 | 1·22 | + 0·70 | 1·1 | — | 7 | 0 | 33 | 50·0 | • | 47·9 | • | Hoylake. |
| *p* Stonyhurst | 375 | 57 | 3, 4 | 37 | 3rd | 53·3 | 43·5 | 48·3 | + 1·4 | 44 | 0 | 7 | 1·99 | + 1·36 | 1·2 | - 4·5 | 8 | 1 | 25 | 49·3 | +2·8 | 47·2 | +2·9 | Aspatria. |
| *p* Blackpool | 66 | 57 | 3rd | 41 | 9th | 53·7 | 46·0 | 49·6 | + 1·9 | 53 | 0 | 7 | 1·06 | + 0·60 | 1·9 | - 3·6 | 13 | 1 | 25 | • | • | • | • | Newton Rigg. |
| *p* Manchester (Whit. Pk.) | 125 | 61 | 3, 4 | 41 | 8th | 55·0 | 45·9 | 50·2 | + 0·7 | 57 | 0 | 7 | 1·33 | + 0·91 | 3·1 | - 2·8 | 21 | 0 | 35 | 50·4 | • | 48·4 | • | Stonyhurst. |
| *a* Liverpool (Bidston) | 188 | 62 | 3rd | 40 | 8th | 54·7 | 43·9 | 49·0 | + 0·8 | 49 | 0 | *2·0* | *- 2·4* | *13* | • | • | • | • | • | • | • | • | • | Blackpool. |
| *a Hawarden Bridge* | *22* | *64* | 3rd | *41* | *3rd* | *57·0* | *46·6* | *51·5* | - *2·1* | *67* | *0* | 7 | 0·79 | + 0·39 | *2·8* | — | *19* | • | • | • | • | • | • | *Whit. Park.* |
| | | | | | | | | | | | | 7 | *0·88* | + *0·52* | *3·2* | *- 3·0* | *21* | 0 | 37 | 52·9 | +2·7 | 50·9 | +2·8 | *Liverpool.* |
| | | | | | | | | | | | | | | | *2·1* | — | *14* | 0 | 37 | 50·2 | +3·7 | 50·2 | +4·2 | *Southport.* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | *Manchester (City).* |
| *p* Llandudno | 71 | 60 | 3rd | 40 | 9th | 55·3 | 45·3 | 50·0 | + 1·3 | 56 | 0 | 7 | 1·56 | + 1·15 | 3·0 | - 2·9 | 20 | • | • | • | • | • | • | Llandudno. |
| *a* Holyhead | 57 | 55 | 4, 5 | 41 | 3rd | 53·0 | 45·7 | 49·1 | + 1·0 | 50 | 0 | 7 | 1·50 | + 1·03 | *3·2* | — | *22* | • | • | • | • | • | • | *Holyhead.* |
| | | | | | | | | | | | | | | | 2·1 | — | 14 | • | • | • | • | • | • | Aberdovey. |

* For note see also opposite page.

† At 3 ft.

‖ Hoar frost.

§ The temperature on the grass refers to Hereford.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | • | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Llangammarch Wells | 550 | 60 | 3rd | 40 | 8, 9 | 53·3 | 44·7 | 48·7 | + 1·7 | 47 | 0 | 7 | 2·07 | — | 1·9 | — | 13 | • | • | • | • | • | • | Aberystwyth. |
| *a* Pembroke .. .. .. | 149 | 54 | 6th | 43 | 9th | 52·0 | 46·4 | 49·0 | + 0·8 | 49 | 0 | 7 | 1·98 | + 1·55 | 3·2 | - 3·3 | 22 | • | • | 49·8 | +2·2 | 48·2 | +2·3 | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 63 | 3rd | 40 | 9th | 55·4 | 46·0 | 50·4 | + 0·2 | 59 | 0 | 7 | 1·53 | + 0·98 | *4·9* | — | *33* | 0 | 37 | 52·6 | +3·4 | 50·9 | +4·1 | Pembroke. *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 63 | 3rd | 44 | 8th | 57·0 | 47·4 | 51·9 | + 2·0 | 69 | 0 | 7 | 1·29 | + 0·78 | *3·7* | — | *25* | 0 | 40 | • | • | • | • | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 59 | 3rd | 39 | 8th | 54·6 | 44·1 | 49·0 | + 0·9 | 49 | 0 | 7 | 0·76 | + 0·26 | • | • | • | • | • | 51·1 | • | 50·7 | • | Shaftesbury. |
| *a* Arlington .. .. | 613 | 60 | 3rd | 41 | 8, 9 | 53·4 | 44·7 | 48·8 | + 1·3 | 48 | 0 | 7 | 1·84 | + 1·19 | • | • | • | • | • | • | • | • | • | Arlington. |
| *a Newquay* .. .. | *190* | *60* | *3rd* | *44* | *8th* | *54·4* | *48·3* | *51·2* | — | *64* | *0* | *5* | *0·56* | + *0·16* | 3·8 | - 2·6 | 26 | 0 | 41 | 53·2 | • | 51·2 | • | Newquay. |
| *a* Cullompton .. .. | 202 | 65 | 3rd | 44 | 9th | 58·9 | 47·7 | 53·0 | + 3·7 | 77 | 0 | 7 | 1·16 | + 0·65 | 3·7 | - 2·1 | 25 | 0 | 36 | 54·2 | • | • | • | Cullompton. |
| *a* Portland .. .. | 19 | 55 | 3rd | 48 | 3rd | 53·7 | 48·6 | 51·0 | + 1·7 | 63 | 0 | 6 | 0·49 | — | *4·1* | — | *28* | • | • | • | • | • | • | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 56 | 3-5, 7 | 44 | 8th | 54·7 | 48·6 | 51·5 | + 1·2 | 67 | 0 | 6 | 0·99 | + 0·49 | 3·7 | - 2·7 | 25 | 0 | 38 | 54·1 | +2·7 | • | • | Plymouth. |
| *a* Falmouth .. .. | 167 | 57 | 3-5, 7 | 44 | 8th | 55·0 | 47·1 | 50·8 | + 1·1 | 62 | 0 | 5 | 1·00 | + 0·46 | 4·5 | - 2·4 | 31 | • | • | 54·9 | • | 53·8 | • | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. *a* Malin Head .. .. | 208 | 55 | 4th | 39 | 9th | 50·3 | 43·7 | 46·8 | - 0·2 | 34 | 0 | 7 | 0·96 | + 0·50 | • | • | • | • | • | • | • | • | • | |
| *a* Blacksod Point .. | 37 | 56 | 3rd | 40 | 8th | 53·0 | 44·4 | 48·4 | - 0·1 | 45 | 0 | 7 | 1·58 | + 0·94 | • | • | • | • | • | • | • | • | • | |
| *p* Markree Castle .. | 122 | 62 | 3rd | 37 | 8th | 55·3 | 42·1 | 48·3 | + 1·0 | 44 | 0 | 7 | 1·88 | + 1·28 | 3·2 | - 2·3 | 21 | 0 | 32 | 51·6 | • | 49·1 | • | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 61 | 3rd | 38 | 8th | 54·6 | 43·9 | 48·9 | + 0·8 | 48 | 0 | 7 | 1·22 | + 0·71 | *3·2* | - *2·4* | *22* | • | • | • | • | • | • | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 64 | 3rd | 36 | 8th | 55·9 | 42·6 | 48·9 | + 1·4 | 48 | 0 | 7 | 0·85 | + 0·33 | 2·6 | - 2·8 | 17 | 0 | 33 | 51·3 | +2·1 | 49·1 | +1·9 | Armagh. |
| *a* Donaghadee .. .. | 40 | 58 | 4th | 40 | 8, 9 | 52·9 | 44·1 | 48·2 | + 0·9 | 43 | 0 | 6 | 1·46 | + 0·97 | • | • | • | • | • | • | • | • | • | |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | • | • | • | 0 | 34 | 51·5 | +2·1 | 50·0 | +2·0 | *Trinity Coll.* |
| *p* Dublin, City .. .. | 47 | 64 | 3rd | 39 | 8th | 55·8 | 45·2 | 50·2 | + 0·4 | 57 | 0 | 7 | 1·15 | + 0·72 | 3·2 | - 2·9 | 22 | 0 | 33 | • | • | • | • | Phœnix Park. |
| *a*, East .. *a* Kilkenny .. .. | 195 | 64 | 3rd | 39 | 8th | 56·1 | 44·9 | 50·2 | + 1·8 | 57 | 0 | 7 | 0·89 | + 0·39 | • | • | • | 0 | 38 | • | • | • | • | Dublin City. |
| *a* Waterford .. .. | 100 | 59 | 4th | 41 | 8, 9 | 55·9 | 44·9 | 50·1 | + 1·4 | 57 | 0 | 6 | 1·04 | + 0·51 | • | • | • | • | • | • | • | • | • | |
| *a Seskin, Carrick-on-Suir* | *541* | *58* | *3, 4* | *38* | *8, 9* | *54·1* | *42·7* | *48·1* | — | *43* | *0* | *7* | *1·26* | — | *5·3* | — | *36* | 0 | 35 | • | • | • | • | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 61 | 3rd | 38 | 8th | 54·6 | 43·9 | 48·9 | + 0·8 | 48 | 0 | 7 | 1·22 | + 0·71 | 3·2 | - 2·4 | 22 | • | • | • | • | • | • | Birr Castle. |
| *a* Foynes .. .. .. | 50 | 63 | 3rd | 41 | 8, 9 | 55·0 | 44·9 | 49·7 | + 0·4 | 54 | 0 | 7 | 1·31 | + 0·78 | • | • | • | • | • | • | • | • | • | |
| *b*, West .. *a* Cahir .. .. | 199 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *a* Killarney .. .. | 174 | 60 | 3rd | 41 | 8th | 55·5 | 46·4 | 50·7 | + 1·8 | 61 | 0 | 7 | 1·30 | + 0·58 | • | • | • | • | • | • | • | • | • | |
| *a* Valencia .. .. | 30 | 57 | 3rd | 42 | 9th | 53·1 | 46·9 | 49·8 | + 0·1 | 55 | 0 | 7 | 1·34 | + 0·56 | 2·9 | - 3·1 | 20 | • | • | • | • | • | • | Valencia. |
| *a* Roche's Point .. | 32 | 57 | 4th | 42 | 8, 9 | 54·4 | 46·1 | 50·0 | + 0·2 | 56 | 0 | 7 | 0·80 | + 0·19 | 4·2 | — | 29 | • | • | • | • | • | • | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 56 | 4, 5, 7 | 45 | 9th | 54·7 | 48·0 | 51·2 | + 1·0 | 64 | 0 | 5 | 0·55 | + 0·15 | 4·9 | - 1·9 | 34 | • | • | • | • | • | • | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 62 | 3rd | 45 | 9th | 58·6 | 49·3 | 53·7 | + 2·9 | 82 | 0 | 6 | 0·87 | + 0·33 | 4·4 | - 2·7 | 31 | • | • | • | • | • | • | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 62 | 3rd | 45 | 8, 9 | 57·3 | 47·9 | 52·3 | + 1·7 | 72 | 0 | 5 | 0·62 | + 0·12 | 4·4 | - 3·2 | 31 | 0 | 38 | 54·9 | +3·6 | 53·3 | +3·9 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 4·1 hrs. 28 %; Ramsgate, 5·6 hrs. 38 %; Rhyl, 1·8 hrs. 12 %; Salcombe, 4·5 hrs. 31 %; Tenby, 3·1 hrs. (−3·5) 21 %; Torquay, 4·9 hrs. (−1·7) 34 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, May 9th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 47 | 45 | 45·8 | +1·2 |
| Kirkwall .. .. | 50 | 47 | 48·6 | +3·3 |
| Wick .. .. .. | 46 | 45 | 45·2 | -0·3 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 53 | 44 | 48·6 | +4·4 |
| Pennan Bay .. .. | 51 | 46 | 48·8 | +4·1 |
| Aberdeen, Cove Bay | 48 | 46 | 47·2 | +2·4 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 48 | 47 | 47·4 | +1·7 |
| Ballantrae .. .. | 51 | 47 | 49·1 | +2·9 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 45 | 41 | 43·0 | -0·8 |
| Scarborough .. .. | 50 | 46 | 47·8 | +2·8 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 51 | 49 | 49·9 | +3·2 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 53 | 51 | 52·1 | +3·3 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 50 | 47 | 48·2 | +1·6 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 53 | 53 | 53·0 | +2·8 |
| Scilly .. .. .. | 54 | 51 | 53·4 | — |
| Plymouth‡ .. .. | 53 | 52 | 52·8 | +3·6 |
| Salcombe .. .. | 53 | 51 | 52·4 | +3·4 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 52 | 50 | 50·5 | +1·9 |
| Teelin .. .. .. | 52 | 48 | 50·3 | 0·0 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 52 | 49 | 50·7 | +1·5 |
| Seafield .. .. | 54 | 46 | 49·6 | -1·1 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, May 9th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Aberdeen .. .. | 105 | — | — | 8th | 1 | 40 | 127 | N. by E. 11 | 8th 22h. | 24 9th 2. 5 |
| Rosyth .. .. | 73 | — | — | — | — | — | — | — | — | — — — |
| **6** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 4, 5, 8, 9 | 15 | 71 | 82 | NNW. 14 | 9th 2h. | 22 9th 0.50 |
| Paisley (Coats Obs.) | 80 | — | — | 8th | 3 | 45 | 120 | N. 12 | 8th 23h. | 23 8th 23. 0 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | 9th | 10 | 27 | 131 | N. by W. 15 | 9th 6h. | 26 9th 7. 0 |
| South Shields .. | 61 | — | — | 9th | 10 | 68 | 90 | N. 15 | 9th 6h. | 26 9th 5.50 |
| Spurn Head .. | 40 | — | — | 9th | 11 | 118 | 39 | NNW. 17 | 9th 11h. | 23 9th 12.15 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 3 to 5, 9 | 11 | 120 | 37 | — 12 | 5th 12h. | 20 8th 15. 0 |
| Shoeburyness .. | 90 | — | — | 4th | 2 | 137 | 29 | — 11 | 4th 4h. | 24 5th 14. 5 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | Records discontinued after March 14. | | | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 4, 5, 7, 8 | 26 | 111 | 31 | — 14 | 7th 15h. | 20 8th 12.20 |
| Warlingham .. | 33 | — | — | — | — | 114 | 54 | — 10 | 7th 15h. | 20 8th 11.20 |
| Brighton .. .. | 53 | — | — | 8th | 5 | 138 | 25 | — 12 | 8th 23h. | 20 8th 23.10 |
| Kew .. .. .. | 40 | — | — | — | — | 97§ | 65§ | — 11 | 8th 17h. | 20 8th 14.35 |
| South Kensington | 92 | — | — | — | — | 34 | 134 | SW. by W. 7 | 4th 11h. | 16 8th 17.10 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Southport .. .. | 62 | 9th | 5 | 4 to 9 | 64 | 84 | 15 | NW. by N. 19 | 9th 2h. | 24 9th 1.35 |
| Holyhead .. .. | 40 | 8, 9 | 10 | 3 to 5, 7 to 9 | 44 | 96 | 18 | NW. 19 | 8th 20h. | 27 9th 0.40 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | 7th | 10 | 3 to 9 | 110 | 41 | 7 | WSW. 21 | 7th 15h. | 27 7th 15.45 |
| Plymouth .. .. | 86 | — | — | 3 to 5, 7 | 23 | 123 | 22 | — 13 | 3rd 21h. | 19 7th 16.40 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 4 to 8 | 52 | 94 | 22 | — 16 | 8th 5h. | 23 8th 7. 5 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — — | — — — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | 4 to 9 | 85 | 75 | 8 | NW. 16 | 8th 14h. | 22 5th 10.10 |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

## [Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**EIGHTEENTH WEEK**—May 3rd to May 9th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Means of | | | | Accumulated Number of Day-Degrees. | | | | | | | | | | | |
| | Highest. | Lowest. | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| **0.** SCOTLAND, NORTH ... | 60 | 34 | 50·9 | 41·6 | 46·0 | + 0·3 | 30 | − 7 | 1 | − 8 | 6 | + 1 | 1·66 | +0·98 | 1·3 | −3·6 | 8 | 1001 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 65 | 31 | 52·9 | 41·2 | 46·7 | + 0·6 | 36 | − 7 | 2 | − 8 | 6 | + 2 | 1·69 | +1·22 | 2·4 | −3·0 | 15 | 1000 |
| **2.** ENGLAND, N.E. ... ... | 63 | 34 | 55·0 | 44·0 | 49·2 | + 2·4 | 50 | + 9 | 0 | − 5 | 7 | + 4 | 0·76 | +0·35 | 3·2 | −2·7 | 21 | 1003 |
| **3.** ENGLAND, EAST ... | 66 | 35 | 58·7 | 45·9 | 52·0 | + 3·6 | 70 | + 18 | 0 | − 6 | 6 | + 3 | 0·69 | +0·30 | 4·1 | −2·1 | 28 | 1006 |
| **4** MIDLAND COUNTIES ... | 65 | 29 | 56·6 | 44·2 | 50·0 | + 1·7 | 56 | + 2 | 0 | − 9 | 6 | + 3 | 0·73 | +0·31 | 3·3 | −2·3 | 22 | 1006 |
| **5.** ENGLAND, S.E. ... ... | 64 | 40 | 57·4 | 47·2 | 52·0 | + 2·4 | 70 | + 14 | 0 | − 2 | 5 | + 2 | 0·63 | +0·24 | 4·4 | −1·8 | 30 | 1008 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 57 | 37 | 51·7 | 43·2 | 47·2 | − 0·2 | 36 | − 10 | 0 | − 4 | 6 | + 2 | 1·12 | +0·45 | 1·7 | −3·9 | 11 | 1001 |
| **7.** ENGLAND, N.W. ... ... | 62 | 36 | 53·6 | 44·3 | 48·7 | + 0·7 | 47 | + 1 | 0 | − 3 | 7 | + 3 | 1·36 | +0·85 | 2·0 | −3·7 | 14 | 1004 |
| **8.** ENGLAND, S.W. ... ... | 65 | 39 | 54·8 | 46·5 | 50·4 | + 1·4 | 59 | + 8 | 0 | − 2 | 7 | + 3 | 1·31 | +0·77 | 3·4 | −2·9 | 23 | 1008 |
| **9.** IRELAND, NORTH ... | 64 | 36 | 53·7 | 43·5 | 48·3 | + 0·4 | 44 | − 2 | 0 | − 3 | 7 | + 3 | 1·33 | +0·74 | 2·9 | −2·4 | 19 | 1003 |
| **10.** IRELAND, SOUTH ... | 64 | 38 | 55·0 | 45·3 | 49·8 | + 0·4 | 55 | + 1 | 0 | − 2 | 7 | + 3 | 1·11 | +0·49 | 3·4 | −2·5 | 23 | 1006 |
| **11.** ENGLISH CHANNEL ... | 62 | 45 | 56·9 | 48·4 | 52·4 | + 1·7 | 73 | + 12 | 0 | 0 | 5 | + 2 | 0·68 | +0·23 | 4·6 | −3·0 | 32 | 1011 |

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 10 Weeks, March 1st to May 9th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 72 | 22 | * | * | * | * | 242 | + 48 | 151 | − 91 | 49 | + 2 | 9·40 | +1·02 | 3·9 | +0·1 | 30 | 1004 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 75 | 16 | * | * | * | * | 323 | + 78 | 206 | − 57 | 41 | + 2 | 6·15 | +1·33 | 4·9 | +0·7 | 38 | 1005 |
| **2.** ENGLAND, N.E. ... ... | 74 | 25 | * | * | * | * | 382 | +132 | 121 | − 78 | 38 | + 2 | 3·40 | −0·41 | 5·2 | +0·7 | 41 | 1008 |
| **3.** ENGLAND, EAST ... | 74 | 25 | * | * | * | * | 431 | +106 | 105 | −106 | 37 | + 2 | 4·97 | +1·39 | 5·3 | +0·6 | 42 | 1011 |
| **4.** MIDLAND COUNTIES ... | 75 | 24 | * | * | * | * | 433 | + 96 | 136 | − 85 | 40 | + 7 | 4·60 | +0·56 | 4·9 | +0·7 | 38 | 1011 |
| **5.** ENGLAND, S.E. ... ... | 74 | 27 | * | * | * | * | 447 | +101 | 59 | − 89 | 40 | + 8 | 6·61 | +2·64 | 5·4 | +0·7 | 43 | 1012 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 70 | 25 | * | * | * | * | 310 | + 53 | 126 | − 58 | 46 | + 7 | 8·80 | +1·57 | 4·7 | +0·4 | 37 | 1007 |
| **7.** ENGLAND, N.W. ... ... | 75 | 25 | * | * | * | * | 354 | + 82 | 90 | − 70 | 43 | + 7 | 5·92 | +0·76 | 4·9 | +0·7 | 39 | 1009 |
| **8.** ENGLAND, S.W. ... ... | 74 | 24 | * | * | * | * | 429 | + 95 | 51 | − 72 | 45 | + 9 | 9·58 | +3·73 | 5·4 | +0·7 | 42 | 1012 |
| **9.** IRELAND, NORTH ... | 71 | 26 | * | * | * | * | 353 | + 61 | 112 | − 37 | 51 | + 8 | 7·82 | +1·99 | 4·7 | +0·6 | 37 | 1007 |
| **10.** IRELAND, SOUTH ... | 75 | 26 | * | * | * | * | 434 | + 74 | 66 | − 45 | 49 | +10 | 7·72 | +1·24 | 5·4 | +0·8 | 42 | 1010 |
| **11.** ENGLISH CHANNEL ... | 71 | 35 | * | * | * | * | 534 | +137 | 6 | − 33 | 43 | + 5 | 7·51 | +2·63 | 5·6 | 0·0 | 44 | 1013 |

THE YEAR.—Aggregates, &c., for the Period of 18 Weeks, January 4th, 1914, to May 9th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 72 | 16 | * | * | * | * | 318 | + 70 | 381 | −155 | 89 | + 1 | 20·91 | +2·48 | 2·7 | 0·0 | 25 | 1004 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 75 | 15 | * | * | * | * | 410 | +104 | 477 | −122 | 75 | + 5 | 11·13 | +1·83 | 3·5 | +0·3 | 32 | 1006 |
| **2.** ENGLAND, N.E. ... ... | 74 | 24 | * | * | * | * | 529 | +209 | 294 | −173 | 70 | + 5 | 6·09 | −0·76 | 3·7 | +0·3 | 34 | 1009 |
| **3.** ENGLAND, EAST ... | 74 | 19 | * | * | * | * | 570 | +168 | 296 | −217 | 64 | 0 | 8·10 | +1·50 | 3·9 | +0·4 | 36 | 1012 |
| **4.** MIDLAND COUNTIES ... | 75 | 15 | * | * | * | * | 583 | +156 | 360 | −161 | 68 | + 6 | 7·56 | −0·24 | 3·4 | +0·3 | 31 | 1012 |
| **5.** ENGLAND, S.E. ... ... | 74 | 10 | * | * | * | * | 601 | +152 | 240 | −138 | 68 | + 8 | 11·19 | +3·23 | 4·0 | +0·5 | 37 | 1013 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 70 | 18 | * | * | * | * | 421 | + 84 | 309 | −107 | 86 | +11 | 17·86 | +2·60 | 3·1 | 0·0 | 28 | 1005 |
| **7.** ENGLAND, N.W. ... ... | 75 | 22 | * | * | * | * | 515 | +160 | 227 | −155 | 75 | + 6 | 11·50 | +1·22 | 3·4 | +0·3 | 32 | 1010 |
| **8.** ENGLAND, S.W. ... ... | 74 | 19 | * | * | * | * | 601 | +133 | 192 | −106 | 79 | +10 | 16·04 | +3·89 | 3·7 | +0·2 | 34 | 1012 |
| **9.** IRELAND, NORTH ... | 71 | 25 | * | * | * | * | 507 | +105 | 246 | − 95 | 91 | +11 | 15·41 | +3·63 | 3·1 | 0·0 | 29 | 1006 |
| **10.** IRELAND, SOUTH ... | 75 | 24 | * | * | * | * | 627 | +102 | 174 | − 83 | 91 | +18 | 16·44 | +3·15 | 3·7 | +0·2 | 34 | 1009 |
| **11.** ENGLISH CHANNEL ... | 71 | 25 | * | * | * | * | 737 | +144 | 72 | − 37 | 77 | + 2 | 12·88 | +2·70 | 4·2 | −0·1 | 38 | 1013 |

M.O., May 13, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 73

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. Vol. XXXI (New Series.) } No. 19. NINETEENTH WEEK, SUNDAY, MAY 10TH, TO SATURDAY, MAY 16TH, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

The earlier part of the week was cold for the time of year, and rather dull in most places, but towards the end of the week the weather had become generally fine and bright, warm in the daytime, but nowhere hot. The centre of a depression of moderate depth travelled eastward across Scotland on Sunday and Monday, and rain, mostly slight, was experienced in nearly all parts of the Kingdom. In various localities in the north-west, north and east some rain fell on Tuesday also. At some Scottish stations, and also at Rounton, thunder was heard early in the week, and a few places reported snow, sleet or hail. An anticyclone, which had extended to Ireland from the Azores on Tuesday, subsequently stretched eastward across the United Kingdom, and by the end of the period its central area was situated over the south-west of Norway. This system was accompanied by fair, dry weather. Until Thursday the main wind current was between West and North-West, and its force light to moderate, but on the following days it was light and variable—mostly Easterly in the south, and Westerly in the north.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | 0. Scotland, N. | 1. Scotland, E. | 2. England, N.E. | 3. England, E. | 4. Midland Counties. | 5. England, S.E. | 6. Scotland, W. | 7. England, N.W. | 8. England, S.W. | 9. Ireland, N. | 10. Ireland, S. | 11. English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate |
| | Rainfall ... | Moderate | Light | Light | Light | Light | Moderate | Light | Light | Light | Light | Light | Light |
| | Sunshine ... | Scanty | Moderate | Moderate | Scanty | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 11 weeks from March 1st, 1914. | Warmth ... | 3 * 0 | 5 * 0 | 7 * 0 | 7 * 1 | 5 * 0 | 6 * 0 | 4 * 2 | 4 * 0 | 7 * 0 | 5 * 2 | 5 * 1 | 8 * 0 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 3 * 5 | 4 * 4 | 4 * 4 | 5 * 3 | 6 * 2 | 4 * 4 | 7 * 4 | 5 * 3 | 4 * 4 | 6 * 4 |
| | Sunshine ... | 4 * 3 | 4 * 1 | 3 * 2 | 4 * 5 | 3 * 4 | 3 * 1 | 4 * 1 | 4 * 2 | 3 * 2 | 4 * 2 | 4 * 2 | 3 * 4 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 1913. Mar. 2nd.-May 31st. 13 weeks. | Warmth ... | 2 * 5 | 2 * 5 | 5 * 2 | 5 * 2 | 4 * 2 | 4 * 2 | 2 * 4 | 4 * 3 | 3 * 2 | 1 * 3 | 1 * 3 | 3 * 4 |
| | Rainfall ... | 6 * 2 | 5 * 3 | 5 * 4 | 5 * 2 | 7 * 3 | 6 * 1 | 8 * 2 | 7 * 3 | 6 * 1 | 7 * 2 | 6 * 1 | 7 * 3 |
| | Sunshine ... | 3 * 3 | 2 * 3 | 1 * 4 | 2 * 6 | 2 * 5 | 2 * 4 | 1 * 8 | 1 * 4 | 0 * 6 | 2 * 5 | 1 * 6 | 0 *10 |
| SUMMER, 1913. June 1st-Aug. 30th. 13 weeks. | Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| | Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| | Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st-Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| | Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(1326—19.) Wt. 229—611. 450. 5/14. D & S. G. 17/ 36.

## II.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.]

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | | | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | *52* | *14, 15* | *35* | *10th* | *50·7* | *39·7* | *44·9* | — | *30* | *6* | *5* | *0·38* | — | *4·6* | — | *28* | • | • | • | • | • | • | *Baltasound.* |
| *a* Lerwick | 54 | 52 | 13–15 | 33 | 12th | 48·6 | 39·4 | 43·7 | − 0·4 | 23 | 7 | 5 | 0·39 | — | 4·2 | − 1·8 | 24 | • | • | • | • | • | • | Deerness. |
| *a*, Islands .. *a* Stornoway | 5ₓ | 57 | 14–16 | 26 | 10th | 52·6 | 41·4 | 46·7 | + 0·8 | 35 | 2 | 3 | 0·55 | − 0·03 | 4·5 | − 1·4 | 28 | • | • | • | • | • | • | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *55* | *16th* | *38* | *10th* | *50·9* | *43·3* | *46·9* | + *0·3* | *34* | *0* | *4* | *0·40* | — | *5·4* | — | *34* | • | • | • | • | • | • | *Castlebay.* |
| *a* Wick | 81 | 58 | 14th | 31 | 12th | 51·7 | 39·9 | 45·5 | − 0·5 | 33 | 6 | 4 | 0·17 | − 0·28 | • | • | • | • | • | • | • | • | • | |
| *p* Strathpeffer | 200 | 63 | 14th | 32 | 10th | 57·0 | 39·6 | 47·8 | + 1·0 | 51 | 7 | 3 | 0·36 | − 0·08 | 4·0 | − 1·4 | 25 | • | • | • | • | • | • | Strathpeffer. |
| *b*, Main-land. *p* Glencarron | 500 | | | | | | | | | | | | | | • | | • | • | • | • | • | • | • | |
| *p* Fort Augustus | 68 | 62 | 14th | 30 | 10th | 55·6 | 41·3 | 48·0 | + 1·3 | 45 | 2 | 3 | 0·35 | − 0·18 | 2·8 | − 1·4 | 18 | • | • | • | • | • | • | Fort Augustus. |
| *p* Fort William | 175 | 67 | 15th | 33 | 10th | 57·0 | 41·3 | 48·7 | + 0·5 | 50 | 2 | 3 | 0·50 | − 0·35 | • | • | • | • | • | • | • | • | • | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | 4·3 | — | 27 | 2 | 26 | 48·7 | +1·3 | 46·6 | +2·0 | Crathes S. |
| *p* Gordon Castle | 101 | 70 | 14th | 31 | 12th | 57·9 | 41·3 | 49·1 | + 1·8 | 53 | 3 | 3 | 0·11 | − 0·29 | *5·1* | — | *32* | • | • | • | • | • | • | *Gordon Castle.* |
| *a* Nairn | 82 | 67 | 14th | 32 | 10th | 56·6 | 40·0 | 47·8 | + 0·5 | 49 | 6 | 3 | 0·06 | − 0·31 | 5·0 | — | 31 | • | • | • | • | • | • | Nairn. |
| *a* Aberdeen | 46 | 62 | 14th | 35 | 12th | 55·6 | 40·6 | 47·7 | + 1·2 | 46 | 4 | 3 | 0·33 | − 0·16 | 4·7 | − 1·2 | 30 | • | • | • | • | 46·6 | +2·4 | Aberdeen. |
| *a* Balmoral | 930 | 63 | 14th | 31 | 10, 12 | 56·0 | 37·1 | 46·0 | + 1·7 | 49 | 14 | 1 | 0·33 | − 0·19 | • | • | • | 3 | 28 | • | • | • | • | Balmoral. |
| *p* Crieff | 440 | 71 | 14th | 32 | 10th | 59·4 | 39·1 | 48·6 | + 0·3 | 58 | 8 | 3 | 0·17 | − 0·36 | 6·6 | — | 42 | • | • | • | • | • | • | Balruddery. |
| *a* Leith | 18 | 64 | 11th | 34 | 10th | 57·0 | 42·1 | 49·1 | + 0·9 | 50 | 0 | 2 | 0·12 | − 0·23 | • | • | • | • | • | • | • | • | • | |
| *a* West Linton | 800 | 66 | 15th | 26 | 10th | 55·6 | 35·6 | 45·0 | − 0·2 | 48 | 18 | 3 | 0·28 | — | *4·4* | — | *28* | 4 | 24 | • | • | • | • | *West Linton.* |
| *p* Marchmont | 498 | 68 | 14th | 32 | 10th | 59·4 | 38·7 | 48·4 | + 2·2 | 59 | 9 | 1 | 0·10 | − 0·44 | 7·0 | + 1·5 | 45 | 2 | 27 | 49·1 | +1·5 | • | • | Marchmont. |
| *a Edinburgh* | *441* | *62* | *14, 15* | *34* | *10th* | *55·4* | *41·3* | *47·9* | — | *44* | *2* | *3* | *0·14* | — | 5·2 | — | 33 | 2 | 26 | • | • | • | • | Edinburgh. |
| **6.** *a*, SCOTLAND, W. | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *a* Poltalloch | 132 | 63 | 16th | 30 | 12th | 53·7 | 39·9 | 46·4 | − 2·3 | 40 | 6 | 4 | 0·53 | − 0·07 | • | • | • | • | • | • | • | • | • | |
| *p* Glasgow Observatory | 180 | 66 | 15th | 37 | 10th | 56·7 | 42·3 | 49·1 | + 0·5 | 50 | 0 | 3 | 0·23 | − 0·31 | 3·6 | − 1·4 | 23 | 2 | 26 | • | • | • | • | Glasgow. |
| *p* Rothesay | 73 | 67 | 15th | 33 | 10th | 55·7 | 40·1 | 47·4 | − 1·3 | 46 | 5 | 4 | 0·25 | − 0·40 | *5·8* | • | *37* | 0 | 31 | 49·7 | • | 48·0 | +1·9 | *Rothesay.* |
| *a* Kilmarnock | 90 | 64 | 15th | 30 | 12th | 56·7 | 38·4 | 47·0 | − 1·5 | 50 | 10 | 3 | 0·31 | — | *4·7* | — | *30* | • | • | • | • | • | • | *Kilmarnock.* |
| *a* Colmonell | 150 | 64 | 16th | 30 | 12th | 55·9 | 39·7 | 47·3 | − 1·4 | 47 | 6 | 4 | 0·10 | − 0·47 | • | • | • | 1 | 30 | • | • | • | • | |
| *p* Dumfries | 160 | 71 | 15th | 36 | 10, 12 | 58·0 | 40·7 | 48·8 | − 0·4 | 53 | 4 | 3 | 0·26 | − 0·29 | *4·5* | — | *29* | 2 | 29 | 49·0 | • | 49·0 | • | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 70 | 15th | 32 | 10th | 59·6 | 39·1 | 48·7 | + 0·1 | 59 | 8 | 3 | 0·21 | − 0·49 | • | • | • | • | • | • | • | • | • | |
| *b*. I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 64 | 15th | 37 | 10th | 55·0 | 42·0 | 48·1 | − 0·3 | 43 | 0 | 3 | 0·24 | − 0·34 | 6·5 | − 0·5 | 42 | 0 | 34 | • | • | • | • | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 219 | 64 | 16th | 34 | 10th | 58·3 | 41·1 | 49·2 | + 2·3 | 54 | 3 | 1 | 0·16 | − 0·32 | 7·7 | — | 49 | 1 | 27 | 48·0 | +0·5 | 47·1 | +1·9 | Cockle Park |
| *a* Shields | 96 | 64 | 14th | 30 | 10th | 56·3 | 41·6 | 48·5 | + 1·3 | 47 | 1 | 1 | 0·28 | − 0·09 | • | • | • | • | • | • | • | • | • | |
| *a* Durham | 336 | 68 | 15th | 30 | 10th | 58·6 | 39·3 | 48·4 | + 1·2 | 56 | 8 | 1 | 0·11 | − 0·29 | 6·9 | + 1·7 | 45 | 1 | 28 | • | • | • | • | Durham. |
| *a*, North .. *p* Rounton | 249 | 68 | 14th | 33 | 10th | 59·4 | 39·9 | 49·1 | + 2·3 | 59 | 6 | 1 | 0·12 | − 0·25 | • | • | • | 2 | 28 | 50·0 | • | • | • | Rounton. |
| *a West Witton* | *605* | *71* | *15th* | *31* | *10th* | *59·4* | *40·0* | *49·1* | — | *58* | *6* | *1* | *0·13* | — | • | • | • | 2 | 26 | 50·1 | • | 46·5 | • | *West Witton.* |
| *p* Scarborough | 100 | 58 | 14th | 40 | 10, 11 | 53·7 | 43·7 | 48·4 | + 0·6 | 45 | 0 | 1 | 0·27 | − 0·13 | 5·1 | — | 33 | • | • | • | • | 50·4† | • | Scarborough. |
| *p* York | 56 | 70 | 15th | 36 | 10th | 60·4 | 42·3 | 50·8 | + 1·2 | 62 | 0 | 1 | 0·07 | − 0·36 | 5·1 | − 0·3 | 33 | • | • | 50·1 | +1·0 | 48·8 | +2·4 | York. |
| | | | | | | | | | | | | | | | *1·9* | | *12* | 2 | 27 | 49·0 | +0·1 | 48·0 | +2·3 | *Hull.* |
| *a* Spurn Head | 26 | 58 | 14th | 40 | 10, 13 | 53·9 | 43·9 | 48·6 | + 0·1 | 46 | 0 | 1 | 0·04 | − 0·28 | *4·6* | — | *30* | • | • | • | • | • | • | *Spurn Head.* |
| *b*, South .. *a* Lincoln | 58 | 69 | 15th | 36 | 10th | 59·0 | 41·7 | 49·8 | − 0·2 | 56 | 1 | 1 | 0·02 | − 0·38 | • | • | • | • | • | 49·8 | +0·3 | 49·3 | +2·8 | Lincoln. |
| *a* Fulbeck | 180 | 68 | 15th | 33 | 10th | 57·1 | 39·7 | 47·9 | − 1·6 | 51 | 6 | 2 | 0·06 | − 0·35 | 4·2 | — | 26 | 1 | 30 | 51·6 | −0·5 | 49·8 | +2·1 | Rauceby. |
| | | | | | | | | | | | | | | | 4·8 | — | 31 | • | • | • | • | • | • | Skegness. |
| | | | | | | | | | | | | | | | *5·6* | — | *37* | 0 | 34 | 53·0 | +1·1 | 50·7 | +2·3 | *Lowestoft.* |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | 4·5 | — | 29 | • | • | • | • | • | • | Cromer. |
| *p* Cromer | 196 | 61 | 14th | 41 | 10, 12, 13 | 56·0 | 43·4 | 49·3 | + 1·1 | 51 | 0 | 3 | 0·03 | — | 5·2 | − 1·1 | 34 | 0 | 35 | • | • | • | • | Lit. Massingham. |
| *p* Little Massingham | 280 | 66 | 15th | 38 | 10, 11 | 56·7 | 41·6 | 48·7 | − 0·8 | 49 | 1 | 3 | 0·11 | − 0·29 | 6·1 | — | 40 | • | • | 52·1 | −1·0 | 51·1 | +0·8 | Yarmouth. |
| *a*, North .. *a* Yarmouth | 17 | 59 | 14th | 40 | 10, 11 | 54·6 | 42·9 | 48·4 | 0·0 | 45 | 0 | 3 | 0·39 | + 0·01 | *5·3* | — | *35* | 0 | 33 | 51·4 | • | • | • | *Norwich.* |
| *a* Norwich | 93 | 64 | 14th | 39 | 10th | 58·0 | 42·7 | 49·9 | + 0·9 | 55 | 0 | 4 | 0·20 | — | 5·0 | − 1·6 | 33 | • | • | • | • | • | • | Geldeston. |
| *a* Geldeston | 37 | 62 | 14th | 37 | 10th | 56·7 | 41·7 | 48·8 | − 0·6 | 49 | 1 | 5 | 0·25 | − 0·14 | • | • | • | | | | | | | |
| *p* Cambridge | 41 | 67 | 15, 16 | 31 | 11th | 59·0 | 39·7 | 48·8 | − 1·7 | 57 | 6 | 2 | 0·04 | − 0·35 | 4·5 | − 1·8 | 30 | 1 | 30 | 51·3 | −0·7 | 50·2 | +1·1 | Cambridge. |
| *a Felixstowe* | *10* | *57* | *14, 16* | *38* | *10th* | *55·1* | *41·7* | *48·0* | − *1·5* | *43* | *1* | *5* | *0·08* | — | 5·2 | — | *34* | • | • | • | • | • | • | *Felixstowe.* |
| *b*, South .. *a* Clacton-on-Sea | 54 | 69 | 16th | 36 | 10th | 55·6 | 42·6 | 48·7 | − 0·4 | 47 | 0 | 1 | 0·01 | — | 5·1 | — | 34 | 0 | 32 | 51·1 | 0·0 | 51·2 | +1·6 | Clacton. |
| *a* Rothamsted | 424 | 66 | 15th | 34 | 10th | 58·7 | 42·1 | 49·9 | + 0·4 | 55 | 0 | 2 | 0·13 | − 0·29 | 4·6 | − 1·4 | 31 | • | • | • | • | • | • | Rothamsted. |
| *a Shoeburyness* | *13* | *62* | *14, 16* | *39* | *10th* | *57·7* | *42·4* | *49·6* | − *1·9* | *53* | *0* | *0* | *0·00* | − *0·26* | *4·9* | — | *33* | 0 | 35 | 51·9 | −0·6 | • | • | *Southend.* |
| *p* Tottenham | 51 | 67 | 14th | 39 | 10th | 59·4 | 44·3 | 51·4 | + 0·7 | 66 | 0 | 3 | 0·04 | — | 5·5 | — | 37 | 0 | 36 | • | • | 51·5 | +2·6 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | *5·2* | — | *34* | 1 | 29 | 48·7 | −0·2 | 47·0 | +3·5 | *Huddersfield.* |
| *a* Harrogate | 476 | 68 | 15th | 35 | 10th | 58·0 | 40·6 | 48·8 | + 1·3 | 53 | 4 | 2 | 0·10 | − 0·32 | 6·5 | — | 42 | 1 | 29 | 48·6 | +1·6 | 48·0 | +2·3 | Harrogate. |
| *a* Bawtry | 65 | 72 | 15th | 35 | 10–12 | 60·3 | 41·0 | 50·1 | + 0·6 | 61 | 3 | 0 | 0·00 | − 0·39 | 3·6 | − 1·6 | 24 | 3 | 26 | 50·2 | • | 49·3 | • | Worksop. |
| *p Buxton* | *987* | *59* | *15th* | *34* | *10th* | *50·6* | *41·9* | *46·0* | *0·0* | *28* | *0* | *4* | *0·16* | − *0·52* | *4·2* | — | *28* | 3 | 22 | 48·1 | −0·6 | 46·6 | +1·8 | *Buxton.* |
| *a*, East .. *a* Nottingham | 82 | 71 | 15th | 34 | 10th | 59·9 | 40·1 | 49·4 | − 0·1 | 60 | 5 | 2 | 0·08 | − 0·31 | 5·1 | — | 33 | 2 | 27 | 50·1 | −0·1 | 48·6 | +2·0 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 68 | 15th | 35 | 10th | 58·0 | 41·0 | 49·0 | − 0·4 | 53 | 3 | 2 | 0·14 | − 0·31 | 4·1 | — | 27 | 2 | 28 | 46·6 | −1·2 | 47·3 | +1·9 | Birmingham. |
| *a* Raunds | 204 | 69 | 14, 15 | 29 | 10th | 60·7 | 38·7 | 49·0 | − 0·7 | 63 | 9 | *2* | *0·14* | — | 3·0 | — | 20 | 2 | 22 | 51·9 | • | 49·8 | • | *Raunds.* |
| *p* Oxford | 208 | 70 | 15th | 36 | 10th | 60·9 | 42·0 | 50·9 | + 0·4 | 62 | 0 | 2 | 0·32 | − 0·06 | 5·2 | − 0·8 | 34 | 1 | 30 | • | • | • | • | Oxford. |
| | | | | | | | | | | | | | | | 4·6 | — | 30 | 1 | 30 | 48·9 | +0·4 | 47·3 | +2·2 | Sheffield. |
| *a* Cheadle | 646 | 61 | 16th | 35 | 10, 12 | 53·3 | 41·7 | 47·2 | − 1·0 | 38 | 1 | 2 | 0·15 | − 0·31 | • | • | • | 0 | 31 | • | • | • | • | Cheadle. |
| *p* Shrewsbury | 191 | 70 | 15th | 35 | 10th | 60·3 | 41·6 | 50·4 | + 0·2 | 60 | 1 | 2 | 0·05 | — | • | • | • | 0 | 35 | • | • | • | • | Shrewsbury. |
| *b*, West .. *a* Hereford§ | 291 | 69 | 15th | 33 | 10th | 61·0 | 41·3 | 50·6 | + 0·1 | 63 | 2 | 1 | 0·12 | − 0·33 | *5·2* | — | *34* | 2 | 27 | 51·2 | • | 50·5 | • | *Malvern.*§ |
| *a* Cirencester | 446 | 69 | 15th | 38 | 10th | 59·9 | 44·2 | 51·6 | + 2·5 | 67 | 0 | 2 | 0·19 | − 0·26 | 5·2 | − 1·1 | 34 | 1 | 30 | 49·8 | • | 49·2 | • | Cirencester. |
| *a* Bath | 66 | 71 | 15th | 34 | 10th | 62·0 | 43·0 | 51·9 | + 1·1 | 69 | 0 | 2 | 0·09 | − 0·35 | 5·5 | — | 36 | • | • | 52·9 | +0·2 | 51·5 | +1·7 | Bath. |
| **5.** ENGLAND, S.E | | | | | | | | | | | | | | | • | • | • | 0 | 37 | 54·3 | +3·1 | 52·4 | +3·0 | Canterbury. |
| *p* Kew | 18 | 67 | 14th | 39 | 10th | 59·0 | 45·0 | 51·6 | + 0·7 | 67 | 0 | 1 | 0·06 | − 0·30 | 5·3 | − 0·8 | 35 | 1 | 30 | 51·2 | −0·3 | 49·9 | +1·4 | Kew. |
| *a* Marlborough | 424 | 68 | 14, 15 | 33 | 10th | 60·6 | 38·3 | 48·8 | − 0·1 | 63 | 10 | 2 | 0·31 | − 0·12 | 4·8 | − 0·9 | 32 | 3 | 28 | • | • | 50·2 | • | Marlborough. |
| *a* Margate | 35 | 59 | 14th | 41 | 13th | 56·0 | 45·3 | 50·3 | + 0·2 | 58 | 0 | 1 | 0·04 | − 0·30 | 4·9 | − 1·2 | 33 | 0 | 35 | 51·0 | +0·5 | 50·0 | +3·0 | Margate. |
| *a* Wisley, Surrey | 150 | 70 | 14th | 36 | 10th | 61·1 | 43·0 | 51·5 | + 0·4 | 67 | 0 | 2 | 0·08 | — | 5·5 | — | 37 | 1 | 27 | 51·2 | −0·3 | 49·6 | +0·8 | Wisley. |
| | | | | | | | | | | | | — | — | — | 7·0 | — | 47 | 0 | 35 | 53·4 | +0·5 | 51·7 | +2·2 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 69 | 15th | 35 | 10th | 61·1 | 41·0 | 50·5 | − 0·6 | 64 | 3 | 2 | 0·03 | − 0·42 | • | • | • | 0 | 32 | 53·9 | • | • | • | Salisbury. |
| *a* Tunbridge Wells | 418 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | Tunbridge Wells. |
| *a* Dungeness | 21 | 63 | 14th | 28 | 10th | 57·3 | 42·9 | 49·7 | − 0·2 | 54 | 0 | 3 | 0·13 | − 0·14 | 5·8 | — | 39 | • | • | • | • | • | • | Littlestone. |
| *p* Hastings | 178 | 63 | 14, 16 | 40 | 10th | 57·7 | 44·7 | 50·8 | + 0·3 | 62 | 0 | 1 | 0·12 | − 0·25 | *5·8* | − *1·3* | *39* | 0 | 36 | 53·5 | • | 51·5 | • | *Hastings.* |
| *p* Southampton | 65 | 69 | 14th | 36 | 10th | 60·9 | 43·6 | 51·7 | − 0·6 | 68 | 0 | 2 | 0·33 | − 0·11 | 5·7 | − 1·0 | 38 | 0 | 32 | • | • | • | • | Southampton. |
| *a* Ventnor | 80 | 66 | 14th | 38 | 10th | 60·0 | 45·4 | 52·3 | + 0·8 | 72 | 0 | 2 | 0·23 | − 0·14 | 6·9 | − 0·2 | 46 | • | • | • | • | • | • | Ventnor. |
| | | | | | | | | | | | | | | | *6·2* | • | *41* | 0 | 35 | 53·7 | −0·1 | 52·6 | +1·6 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 7·4 | + 0·3 | 49 | • | • | 53·7 | • | 52·1 | • | Eastbourne. |
| | | | | | | | | | | | | | | | *6·1* | — | *41* | • | • | 51·5 | • | 51·0 | • | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | *7·1* | + *0·3* | *47* | 0 | 37 | • | • | 51·9 | • | *Brighton.* |
| *a Westminster* | *27* | *68* | *14, 15* | *39* | *10th* | *60·8* | *45·0* | *52·4* | + *1·0* | *73* | *0* | *1* | *0·04* | − *0·32* | *5·3* | + *0·3* | *35* | 0 | 35 | • | • | • | • | *Westminster.* |
| *a Greenwich* | *155* | *70* | *14th* | *39* | *10th* | *60·9* | *43·6* | *51·7* | + *0·3* | *68* | *0* | *1* | *0·05* | − *0·30* | *5·4* | − *0·3* | *36* | 1 | 30 | • | • | • | • | *Greenwich.* |
| *a Hampstead* | *450* | *67* | *14th* | *36* | *10th* | *58·2* | *42·2* | *49·7* | — | *54* | *0* | *2* | *0·07* | — | 5·7 | — | *38* | 1 | 29 | • | • | • | • | *Hampstead.* |
| *a Camden Square* | *110* | *72* | *14th* | *38* | *10th* | *63·6* | *43·1* | *52·7* | — | *75* | *0* | *1* | *0·07* | — | *5·1* | — | *34* | 0 | 33 | • | • | • | • | *Camden Square.* |
| | | | | | | | | | | | | | | | *4·4* | — | *29* | 4 | 27 | 47·6 | −1·0 | 47·1 | +1·8 | *Burnley.* |
| | | | | | | | | | | | | | | | 4·4 | — | 29 | • | • | • | • | • | • | Hoylake. |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Aspatria | 250 | 68 | 15th | 33 | 12th | 57·1 | 40·3 | 48·2 | + 0·4 | 51 | 5 | 3 | 0·20 | − 0·35 | 5·3 | — | 34 | 2 | 27 | 49·0 | • | 48·0 | • | Aspatria. |
| *p* Newton Rigg | 559 | 74 | 15th | 31 | 10th | 58·7 | 37·6 | 47·5 | + 0·3 | 57 | 12 | 4 | 0·10 | − 0·43 | 6·3 | + 0·3 | 41 | 4 | 21 | 49·3 | +0·6 | 47·3 | +2·0 | Newton Rigg. |
| *p* Stonyhurst | 375 | 65 | 15th | 35 | 10th | 57·9 | 41·1 | 49·0 | + 0·6 | 53 | 3 | 3 | 0·24 | − 0·39 | 4·9 | − 1·1 | 32 | 4 | 25 | • | • | • | • | Stonyhurst. |
| *p* Blackpool | *66* | 66 | 16th | 38 | 15th | 55·0 | 42·9 | 48·6 | − 0·5 | 48 | 0 | 1 | 0·02 | − 0·45 | 6·1 | − 0·1 | 40 | 2 | 30 | 49·7 | • | 48·8 | • | Blackpool. |
| *p* Manchester (Whit. Pk.) | 125 | 66 | 16th | 37 | 10th | 53·9 | 41·4 | 47·3 | − 3·2 | 40 | 2 | 3 | 0·15 | — 0·26 | *3·3* | − *1·4* | *22* | • | • | • | • | • | • | *Whit. Park.* |
| *a* Liverpool (Bidston) | 188 | 66 | 16th | 39 | 10th | 53·9 | 42·9 | 48·1 | − 1·4 | 43 | 0 | 3 | 0·20 | − 0·21 | *5·2* | — | *34* | • | • | • | • | • | • | *Liverpool.* |
| *a Hawarden Bridge* | *22* | *66* | *16th* | *39* | *10th* | *55·9* | *44·7* | *50·0* | − *0·6* | *56* | *0* | *3* | *0·24* | − *0·13* | 5·7 | − *0·8* | 37 | 2 | 30 | 52·1 | −0·4 | 51·3 | +1·7 | *Southport.* |
| | | | | | | | | | | | | | | | *3·4* | — | *22* | 0 | 35 | 48·6 | −0·3 | 50·7 | +3·8 | *Manchester (City).* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 69 | 16th | 39 | 10th | 56·9 | 45·0 | 50·6 | + 0·8 | 60 | 0 | 3 | 0·07 | − 0·35 | 4·8 | − 1·5 | 31 | • | • | • | • | • | • | Llandudno. |
| *a* Holyhead | 57 | 62 | 16th | 41 | 10th | 55·1 | 44·6 | 49·5 | + 0·3 | 53 | 0 | 2 | 0·14 | − 0·31 | *7·1* | — | *46* | • | • | • | • | • | • | *Holyhead.* |
| | | | | | | | | | | | | | | | 5·7 | — | 38 | • | • | • | • | • | • | Aberdovey. |

* For note see also opposite page.

† At 3 ft.

‖ Hoar frost.

§ The temperature on the grass refers to Hereford.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average | Earth 4 ft. Mean. | Earth 4 ft. Difference from average | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in | hr. | hr. | % | | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 6·0 | — | 40 | | | | | | | | |
| *a* Llangammarch Wells | 550 | 70 | 15th | 32 | 12th | 59·6 | 39·9 | 49·2 | − 0·3 | 59 | 6 | 2 | 0·05 | — | 5·4 | — | 36 | 2 | 29 | 49·3 | −0·5 | 48·8 | +2·1 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 64 | 15th | 43 | 10, 12 | 56·7 | 45·9 | 51·0 | + 0·9 | 63 | 0 | 2 | 0·24 | − 0·20 | 6·9 | + 0·3 | 46 | | | | | | | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 71 | 15th | 37 | 10th | 60·3 | 42·9 | 51·1 | − 1·1 | 64 | 0 | 2 | 0·32 | − 0·23 | *7·1* | — | *47* | 0 | 32 | 52·2 | +0·5 | 51·0 | +3·0 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 71 | 15th | 39 | 10th | 61·6 | 44·7 | 52·6 | + 0·1 | 74 | 0 | 2 | 0·18 | − 0·32 | *6·1* | — | *41* | 0 | 35 | | | | | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 66 | 14th | 35 | 10th | 58·6 | 41·6 | 49·6 | − 0·8 | 55 | 1 | 2 | 0·20 | − 0·27 | | | | | | 50·8 | | 50·3 | | Shaftesbury. |
| *a* Arlington .. .. | 613 | 69 | 15th | 35 | 10th | 57·9 | 41·6 | 49·3 | − 0·6 | 53 | 1 | 2 | 0·60 | − 0·04 | | | | | | | | | | Arlington. |
| *a Newquay* .. .. | *190* | *65* | *16th* | *43* | *15th* | *56·9* | *46·4* | *51·3* | *− 0·3* | *65* | *0* | *1* | *0·16* | *− 0·20* | 6·8 | 0·0 | 45 | 0 | 40 | 53·3 | | 51·3 | | Newquay. |
| *a* Cullompton .. .. | 202 | 68 | 14-16 | 36 | 10th | 62·0 | 40·0 | 50·3 | − 1·5 | 67 | 6 | 2 | 0·19 | − 0·30 | 6·0 | − 0·1 | 40 | 1 | 30 | 53·0 | | | | Cullompton. |
| *a* Portland .. .. | 19 | 60 | 14th | 44 | 10, 12 | 56·4 | 46·9 | 51·4 | − 0·1 | 66 | 0 | 2 | 0·20 | — | *7·3* | — | *49* | | | | | | | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 65 | 14, 16 | 39 | 10, 13 | 59·1 | 44·3 | 51·3 | − 1·4 | 65 | 0 | 2 | 0·09 | − 0·38 | 7·3 | + 0·5 | 49 | 0 | 32 | 53·7 | +0·2 | | | Plymouth. |
| *a* Falmouth .. .. | 167 | 65 | 15th | 42 | 12, 13 | 59·0 | 45·7 | 52·0 | + 0·3 | 70 | 0 | 1 | 0·18 | − 0·32 | 7·6 | + 0·3 | 51 | 0 | 37 | 55·9 | | 54·0 | | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. *a* Malin Head .. .. | 208 | 58 | 16th | 38 | 10th | 51·6 | 42·7 | 46·9 | − 2·3 | 34 | 0 | 3 | 0·43 | − 0·04 | | | | | | | | | | |
| *a*, West .. *a* Blacksod Point .. | 37 | 61 | 16th | 41 | 13th | 54·1 | 43·7 | 48·6 | − 2·0 | 46 | 0 | 4 | 0·39 | − 0·24 | | | | | | | | | | |
| *a*, West .. *p* Markree Castle .. | 122 | 64 | 14-16 | 38 | 14, 16 | 57·3 | 40·1 | 48·2 | − 1·4 | 51 | 5 | 3 | 0·21 | − 0·39 | 7·0 | + 1·2 | 46 | 0 | 32 | 52·2 | | 49·4 | | Markree Castle. |
| *a*, West .. *a* Birr Castle .. .. | 175 | 70 | 16th | 37 | 12th | 60·4 | 41·6 | 50·4 | − 0·2 | 60 | 1 | 3 | 0·13 | − 0·38 | *6·8* | *+ 1·0* | *44* | | | | | | | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 70 | 16th | 37 | 12th | 59·6 | 40·1 | 49·3 | − 0·3 | 59 | 5 | 3 | 0·25 | − 0·29 | 5·8 | 0·0 | 38 | 0 | 32 | 51·7 | +0·5 | 49·4 | +1·3 | Armagh. |
| *b*, East .. *a* Donaghadee .. | 40 | 59 | 16th | 39 | 10th | 54·7 | 42·9 | 48·5 | − 1·2 | 46 | 0 | 1 | 0·04 | − 0·46 | | | | 0 | 35 | 51·5 | +0·4 | 50·1 | +1·2 | *Trinity Coll.* |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 6·4 | − 0·1 | 42 | 0 | 32 | | | | | Phœnix Park. |
| *a*, East .. *p* Dublin, City .. .. | 47 | 67 | 16th | 41 | 12th | 57·9 | 43·9 | 50·5 | − 1·5 | 60 | 0 | 3 | 0·10 | − 0·36 | | | | 0 | 38 | | | | | Dublin City. |
| *a*, East .. *a* Kilkenny .. .. | 195 | 67 | 16th | 40 | 12th | 60·1 | 43·1 | 51·1 | + 0·4 | 64 | 0 | 3 | 0·14 | − 0·36 | | | | | | | | | | |
| *a*, East .. *a* Waterford .. .. | 100 | 66 | 15, 16 | 41 | 12th | 60·0 | 43·3 | 51·2 | − 0·2 | 64 | 0 | 2 | 0·11 | − 0·41 | | | | | | | | | | |
| *a*, East .. *a Seskin, Carrick-on-Suir* | *541* | *65* | *15th* | *39* | *12th* | *59·7* | *41·3* | *50·0* | — | *59* | *2* | 4 | 0·11 | — | *7·9* | — | *52* | 0 | 33 | | | | | *Seskin.* |
| *b*, West .. *a* Birr Castle .. .. | 175 | 70 | 16th | 37 | 12th | 60·4 | 41·6 | 50·4 | − 0·2 | 60 | 1 | 3 | 0·13 | − 0·38 | 6·8 | + 1·0 | 45 | | | | | | | Birr Castle. |
| *b*, West .. *a* Foynes .. .. | 50 | 67 | 16th | 39 | 12th | 58·7 | 43·0 | 50·4 | − 1·4 | 59 | 0 | 3 | 0·12 | − 0·40 | | | | | | | | | | |
| *b*, West .. *a* Cahir .. .. | 199 | 69 | 16th | 40 | 10, 13, 16 | 61·3 | 40·9 | 50·5 | − 0·5 | 64 | 3 | 3 | 0·11 | — | | | | | | | | | | |
| *b*, West .. *a* Killarney .. | 174 | 74 | 16th | 38 | 12th | 63·4 | 43·7 | 53·0 | + 2·0 | 77 | 0 | 2 | 0·03 | − 0·67 | | | | | | | | | | |
| *b*, West .. *a* Valencia .. | 30 | 63 | 15th | 40 | 14, 16 | 56·1 | 43·3 | 49·3 | − 2·2 | 51 | 0 | 2 | 0·09 | − 0·66 | 7·7 | + 1·1 | 51 | | | | | | | Valencia. |
| *b*, West .. *a* Roche's Point .. | 32 | 61 | 13th | 42 | 12th | 56·6 | 44·9 | 50·4 | − 1·1 | 59 | 0 | 1 | 0·04 | − 0·53 | 7·5 | — | 50 | | | | | | | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 63 | 15th | 44 | 13th | 57·7 | 46·6 | 51·8 | − 0·2 | 69 | 0 | 1 | 0·01 | − 0·38 | 7·2 | 0·0 | 48 | | | | | | | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 66 | 15th | 42 | 10, 13 | 59·4 | 46·7 | 52·7 | − 0·7 | 75 | 0 | 1 | 0·12 | − 0·34 | 7·2 | − 0·4 | 48 | | | | | | | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 67 | 14, 15 | 42 | 11th | 59·7 | 46·1 | 52·5 | − 0·1 | 74 | 0 | 1 | 0·09 | − 0·36 | 7·8 | − 0·2 | 52 | 0 | 34 | 54·9 | +1·6 | 53·5 | +3·1 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 6·3 hrs. 42 %; Ramsgate, 4·7 hrs. 31 %; Rhyl, 5·5 hrs. 36 %; Salcombe, 7·6 hrs. 51 %; Tenby, 7·1 hrs. (+0·2) 47 %; Torquay, 8·1 hrs. (+1·2) 54 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, May 16th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 46 | 45 | 45·7 | +0·5 |
| Kirkwall .. .. | 48 | 45 | 46·5 | −0·3 |
| Wick .. .. .. | 46 | 45 | 45·5 | −0·6 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 52 | 45 | 47·9 | +2·0 |
| Pennan Bay .. .. | 51 | 46 | 47·9 | +1·6 |
| Aberdeen, Cove Bay | 48 | 47 | 47·7 | +2·3 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 49 | 47 | 47·9 | +2·0 |
| Ballantrae .. .. | 51 | 45 | 48·5 | +0·8 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 48 | 41 | 44·7 | +0·3 |
| Scarborough .. .. | 51 | 46 | 48·2 | +2·3 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 51 | 50 | 50·3 | +2·2 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 55 | 52 | 52·9 | +2·2 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 52 | 48 | 49·0 | +1·3 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 54 | 53 | 53·4 | +2·1 |
| Scilly .. .. .. | 54 | 51 | 52·5 | — |
| Plymouth‡ .. .. | 55 | 52 | 53·3 | +3·0 |
| Salcombe .. .. | 54 | 51 | 52·9 | +2·9 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 52 | 48 | 50·0 | +0·4 |
| Teelin .. .. .. | 55 | 47 | 49·8 | −2·2 |
| IRELAND, S.W. | | | | |
| Cleggan .. . | 52 | 46 | 50·2 | +0·1 |
| Seafield .. .. | 60 | 46 | 51·0 | −1·2 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, May 16th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. Aberdeen .. .. | 105 | — | — | — | — | 51 | 117 | NW.byW 11 | 12th 8h. | 16 12th 8. 5 |
| Rosyth .. .. | 73 | — | — | — | — | — | — | — — | — — | — — — |
| **6** SCOTLAND, W. Eskdalemuir .. | 50 | — | — | 13th | 5 | 51 | 112 | WNW. 12 | 13th 10h. | 20 13th 14.55 |
| Paisley (Coats Obs.) | 80 | — | — | 10th | 3 | 43 | 122 | NW. byN 12 | 10th 16h. | 22 10th 15.15 |
| **2.** ENGLAND, N.E. Alnwick Castle .. | 70 | — | — | — | — | 31 | 137 | NE. byN. 8 | 11th 24h. | 15 11th 23.50 |
| South Shields .. | 61 | — | — | 12th | 1 | 93 | 74 | N.E. 11 | 12th 1h. | 17 12th 1. 5 |
| Spurn Head .. | 40 | — | — | 12th | 1 | 63 | 104 | N. by E. 11 | 12th 6h. | 15 12th 6.10 |
| **3.** ENGLAND, E. Gorleston .. .. | 42 | — | — | 12th | 4 | 53 | 111 | — 13 | 12th 10h. | 18 12th 10.15 |
| Shoeburyness .. | 90 | — | — | — | — | 33 | 135 | — 9 | 16th 17h. | 14 12th 8.10 |
| **4.** MIDLAND COUNTIES. Pyrton Hill .. | 45 | Records discontinued after March 14. | | | | | | | | |
| **5.** ENGLAND, S.E. Dover .. .. | 40 | — | — | 16th | 3 | 49 | 116 | — 11 | 16th 15h. | 15 16th 16.20 |
| Warlingham .. .. | 33 | — | — | — | — | 13 | 155 | — 12 | 16th 14h. | 14 10th 15.20 |
| Brighton .. .. | 53 | — | — | — | — | 35 | 133 | — 8 | 15th 24h. | 14 16th 12.25 |
| Kew .. .. .. | 40 | — | — | — | — | 10 | 158 | E. by N. 8 | 16th 12h. | 14 16th 11.50 |
| South Kensington | 92 | — | — | — | — | 5 | 163 | E. by N. 7 | 16th 14h. | 13 16th 10.40 |
| **7.** ENGLAND, N.W. Southport .. .. | 62 | — | — | 10 to 13 | 18 | 81 | 69 | W. 14 | 13th 9h. | 18 13th 4.30 |
| Holyhead .. .. | 40 | — | — | 12, 13 | 5 | 73 | 90 | NE. 11 | 12th 2h. | 15 13th 7.15 |
| **8.** ENGLAND, S.W. Pendennis Castle .. | 65 | — | — | 10, 11, 16 | 17 | 81 | 70 | WSW. 16 | 10th 11h. | 21 10th 10.30 |
| Plymouth .. .. | 86 | — | — | 10th | 1 | 33 | 134 | — 11 | 10th 11h. | 15 16th 13.10 |
| **10.** IRELAND, S. Quilty .. .. | 40 | — | — | 10, 11 | 16§ | 49§ | 87§ | — 14 | 11th 11h. | 19 11th 10.50 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — — | — — — |
| **11.** ENGLISH CHANNEL. Scilly .. .. .. | 19 | — | — | 10, 11 | 9 | 57 | 102 | W. 13 | 10th 12h. | 17 10th 12.50 |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

## [Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**NINETEENTH WEEK**—May 10th to May 16th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Means of | | | | Accumulated Number of Day-Degrees. | | | | | | | | | | | |
| | Highest. | Lowest. | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 67 | 30 | 53·8 | 40·5 | 46·8 | + 0·2 | 40 | — 2 | 4 | — 3 | 4 | 0 | 0·39 | −0·27 | 3·5 | −1·8 | 22 | 1020 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 71 | 26 | 57·2 | 39·3 | 47·7 | + 0·7 | 51 | + 4 | 8 | 0 | 3 | 0 | 0·19 | −0·28 | 5·5 | −0·4 | 35 | 1020 |
| 2. ENGLAND, N.E. ... ... | 70 | 30 | 57·4 | 41·5 | 49·0 | + 1·3 | 51 | + 6 | 1 | — 3 | 1 | — 2 | 0·13 | −0·29 | 5·6 | −0·7 | 37 | 1022 |
| 3. ENGLAND, EAST ... | 67 | 31 | 57·2 | 42·3 | 49·3 | — 0·2 | 51 | — 7 | 0 | — 4 | 3 | 0 | 0·14 | −0·25 | 5·1 | −1·5 | 34 | 1022 |
| 4 MIDLAND COUNTIES ... | 72 | 29 | 59·5 | 41·4 | 49·9 | + 0·5 | 58 | — 2 | 2 | — 3 | 2 | — 1 | 0·13 | −0·28 | 5·0 | −1·0 | 33 | 1022 |
| 5. ENGLAND, S.E. ... ... | 70 | 33 | 59·3 | 43·2 | 50·8 | 0·0 | 62 | — 2 | 0 | — 2 | 2 | — 1 | 0·15 | −0·19 | 5·9 | −0·8 | 40 | 1022 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 71 | 30 | 56·4 | 40·3 | 47·9 | — 0·6 | 48 | — 5 | 5 | + 2 | 3 | — 1 | 0·27 | −0·38 | 5·1 | −1·1 | 32 | 1021 |
| 7. ENGLAND, N.W. ... ... | 74 | 31 | 56·1 | 42·0 | 48·6 | — 0·5 | 46 | — 7 | 0 | — 2 | 3 | 0 | 0·14 | −0·35 | 5·4 | −1·0 | 35 | 1023 |
| 8. ENGLAND, S.W. ... ... | 71 | 32 | 59·1 | 43·4 | 50·8 | — 0·9 | 62 | + 2 | 0 | — 1 | 2 | 0 | 0·23 | −0·23 | 6·6 | −0·2 | 44 | 1023 |
| 9. IRELAND, NORTH ... | 70 | 37 | 56·3 | 41·9 | 48·7 | — 1·5 | 47 | — 6 | 0 | — 2 | 3 | — 1 | 0·24 | −0·31 | 6·4 | +0·5 | 42 | 1023 |
| 10. IRELAND, SOUTH ... | 74 | 37 | 59·4 | 43·1 | 50·8 | — 0·9 | 62 | + 1 | 0 | — 1 | 2 | — 1 | 0·10 | −0·43 | 7·1 | +0·7 | 47 | 1024 |
| 11. ENGLISH CHANNEL ... | 67 | 42 | 58·9 | 46·5 | 52·3 | — 0·7 | 72 | + 4 | 0 | 0 | 2 | — 1 | 0·07 | −0·28 | 7·4 | −0·8 | 50 | 1024 |

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 11 Weeks, March 1st to May 16th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 72 | 22 | * | * | * | * | 282 | + 46 | 155 | — 94 | 53 | + 2 | 9·79 | +0·75 | 3·8 | −0·2 | 29 | 1006 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 75 | 16 | * | * | * | * | 374 | + 82 | 214 | — 57 | 44 | + 2 | 6·34 | +1·05 | 5·0 | +0·7 | 38 | 1007 |
| 2. ENGLAND, N.E. ... ... | 74 | 25 | * | * | * | * | 433 | +138 | 122 | — 81 | 39 | 0 | 3·53 | −0·70 | 5·3 | +0·6 | 41 | 1010 |
| 3. ENGLAND, EAST ... | 74 | 25 | * | * | * | * | 482 | + 99 | 105 | −110 | 40 | + 2 | 5·11 | +1·14 | 5·3 | +0·4 | 41 | 1012 |
| 4. MIDLAND COUNTIES ... | 75 | 24 | * | * | * | * | 491 | + 94 | 138 | — 88 | 42 | + 6 | 4·73 | +0·28 | 4·9 | +0·5 | 38 | 1012 |
| 5. ENGLAND, S.E. ... ... | 74 | 27 | * | * | * | * | 509 | + 99 | 59 | — 91 | 42 | + 7 | 6·76 | +2·45 | 5·5 | +0·6 | 42 | 1013 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 71 | 25 | * | * | * | * | 358 | + 48 | 131 | — 56 | 49 | + 6 | 9·07 | +1·19 | 4·8 | +0·3 | 36 | 1008 |
| 7. ENGLAND, N.W. ... ... | 75 | 25 | * | * | * | * | 400 | + 75 | 90 | — 72 | 46 | + 7 | 6·06 | +0·41 | 5·0 | +0·5 | 38 | 1011 |
| 8. ENGLAND, S.W. ... ... | 74 | 24 | * | * | * | * | 491 | + 97 | 51 | — 73 | 47 | + 9 | 9·81 | +3·50 | 5·5 | +0·6 | 43 | 1013 |
| 9. IRELAND, NORTH ... | 71 | 26 | * | * | * | * | 400 | + 55 | 112 | — 39 | 54 | + 7 | 8·13 | +1·68 | 4·9 | +0·6 | 38 | 1008 |
| 10. IRELAND, SOUTH ... | 75 | 26 | * | * | * | * | 496 | + 75 | 66 | — 46 | 51 | + 9 | 7·82 | +0·81 | 5·5 | +0·7 | 39 | 1011 |
| 11. ENGLISH CHANNEL ... | 71 | 35 | * | * | * | * | 606 | +141 | 6 | — 33 | 45 | + 4 | 7·58 | +2·35 | 5·7 | −0·2 | 45 | 1014 |

THE YEAR.—Aggregates, &c., for the Period of 19 Weeks, January 4th, 1914, to May 16th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 72 | 16 | * | * | * | * | 358 | + 68 | 385 | −158 | 93 | + 1 | 21·30 | +2·21 | 2·7 | −0·1 | 26 | 1005 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 75 | 15 | * | * | * | * | 461 | +108 | 485 | −122 | 78 | + 5 | 11·32 | +1·55 | 3·6 | +0·3 | 33 | 1006 |
| 2. ENGLAND, N.E. ... ... | 74 | 24 | * | * | * | * | 580 | +215 | 295 | −176 | 71 | + 3 | 6·22 | −1·05 | 3·8 | +0·3 | 34 | 1010 |
| 3. ENGLAND, EAST ... | 74 | 19 | * | * | * | * | 621 | +161 | 296 | −221 | 67 | 0 | 8·24 | +1·25 | 4·0 | +0·3 | 36 | 1013 |
| 4. MIDLAND COUNTIES ... | 75 | 15 | * | * | * | * | 641 | +154 | 362 | −164 | 70 | + 5 | 7·69 | −0·52 | 3·5 | +0·2 | 31 | 1012 |
| 5. ENGLAND, S.E. ... ... | 74 | 10 | * | * | * | * | 663 | +150 | 240 | −140 | 70 | + 7 | 11·34 | +3·04 | 4·1 | +0·4 | 37 | 1013 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 71 | 18 | * | * | * | * | 469 | + 79 | 314 | −105 | 89 | +10 | 18·13 | +2·22 | 3·2 | −0·1 | 29 | 1006 |
| 7. ENGLAND, N.W. ... ... | 75 | 22 | * | * | * | * | 561 | +153 | 227 | −157 | 78 | + 6 | 11·64 | +0·87 | 3·6 | +0·4 | 32 | 1011 |
| 8. ENGLAND, S.W. ... ... | 74 | 19 | * | * | * | * | 663 | +135 | 192 | −107 | 81 | +10 | 16·27 | +3·66 | 3·9 | +0·2 | 35 | 1012 |
| 9. IRELAND, NORTH ... | 71 | 25 | * | * | * | * | 554 | + 99 | 246 | − 97 | 94 | +10 | 15·65 | +3·32 | 3·3 | +0·1 | 30 | 1007 |
| 10. IRELAND, SOUTH ... | 75 | 24 | * | * | * | * | 689 | +103 | 174 | − 84 | 93 | +17 | 16·54 | +2·72 | 3·9 | +0·3 | 35 | 1010 |
| 11. ENGLISH CHANNEL ... | 71 | 25 | * | * | * | * | 809 | +148 | 72 | − 37 | 79 | + 1 | 12·95 | +2·42 | 4·4 | −0·1 | 39 | 1014 |

M.O., May 20, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.: or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH: or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 20. TWENTIETH WEEK, SUNDAY, MAY 17TH, TO SATURDAY, MAY 23RD, 1914. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

Over the Kingdom generally the pressure distribution was anticyclonic, and the weather fine and dry, with light winds, mainly from some Northerly point. The days were very warm and the nights cool, especially at inland stations at many of which the night temperature was below the average. Over the northern districts the conditions were more or less cyclonic throughout the week, and rain, mostly slight, fell on several occasions. At Fort William on the 19th there was as much as 1·0 in. During Friday a shallow depression came over England from the southward, and late in the day or early on Saturday, thunderstorms were experienced over the greater part of the country, rain fell very generally, and heavy hail locally. At the time the shallow depression was spreading northwards over England another high pressure system was extending eastwards over the western and north-western districts, and the Northerly wind that ensued was accompanied by a very decided decrease of temperature. The rain associated with the thunderstorms was not excessive—in many localities it was less than 0·5 in., but at Rauceby it amounted to so much as 1·2 in.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Unusual | Very unusual | Very unusual | Very unusual | Very unusual | Unusual | Very unusual | Very unusual | Unusual | Very unusual | Very unusual |
| | Rainfall ... | Moderate | Moderate | Heavy | Moderate | Moderate | Moderate | Light | Moderate | Light | Light | Light | Moderate |
| | Sunshine ... | Scanty | Scanty | Moderate | Very abundant | Abundant | Very abundant | Scanty | Moderate | Abundant | Scanty | Scanty | Abundant |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 12 weeks from March 1st, 1914. | Warmth ... | 3 * 0 | 6 * 0 | 8 * 0 | 8 * 1 | 6 * 0 | 7 * 0 | 5 * 2 | 5 * 0 | 8 * 0 | 6 * 2 | 6 * 1 | 9 * 0 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 4 * 5 | 4 * 4 | 4 * 4 | 5 * 3 | 6 * 3 | 4 * 4 | 7 * 5 | 5 * 4 | 4 * 5 | 6 * 4 |
| | Sunshine ... | 4 * 4 | 4 * 2 | 3 * 2 | 5 * 5 | 4 * 4 | 4 * 1 | 4 * 2 | 4 * 2 | 4 * 2 | 4 * 3 | 4 * 3 | 4 * 4 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 1913. Mar. 2nd.–May 31st. 13 weeks. | Warmth ... | 2 * 5 | 2 * 5 | 5 * 2 | 5 * 2 | 4 * 2 | 4 * 2 | 2 * 4 | 4 * 3 | 3 * 2 | 1 * 3 | 1 * 3 | 3 * 4 |
| | Rainfall ... | 6 * 2 | 5 * 3 | 5 * 4 | 5 * 2 | 7 * 3 | 6 * 1 | 8 * 2 | 7 * 3 | 6 * 1 | 7 * 2 | 6 * 1 | 7 * 3 |
| | Sunshine ... | 3 * 3 | 2 * 3 | 1 * 4 | 2 * 6 | 2 * 5 | 2 * 4 | 1 * 8 | 1 * 4 | 0 * 6 | 2 * 5 | 1 * 6 | 0 *10 |
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| | Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| | Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth .. | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| | Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in three years, and **very scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(1394—19.) Wt. 229—611. 450. 5/14. D & S. G. 17/ 36.

## II.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.]

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | | | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | *56* | *18th* | *36* | *23rd* | *51·7* | *42·0* | *46·6* | — | *32* | *0* | 7 | *0·50* | — | *5·7* | — | *34* | | | 47·3 | | | | *Baltasound.* |
| *a*, Islands.. *a* Lerwick | 54 | 54 | 17th | 40 | 23rd | 50·9 | 42·3 | 46·3 | + 1·4 | 30 | 0 | 6 | 0·70 | — | 3·8 | - 1·9 | 23 | | | | | | | Deerness. |
| *a* Stornoway | 5. | 57 | 17th | 37 | 23rd | 53·6 | 42·3 | 47·6 | + 0·6 | 39 | 0 | 6 | 0·59 | + 0·03 | 5·5 | - 0·7 | 34 | | | | | | | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *55* | *17th* | *41* | *23rd* | *51·6* | *45·7* | *48·5* | *+ 0·6* | *46* | *0* | *4* | *0·43* | — | *6·3* | — | *39* | | | | | | | *Castlebay.* |
| *a* Wick | 81 | 58 | 18,20,21 | 36 | 23rd | 54·7 | 41·3 | 47·6 | + 0·7 | 42 | 2 | 5 | 0·37 | - 0·08 | | | | | | | | | | |
| *p* Strathpeffer | 200 | 70 | 17th | 38 | 23rd | 60·1 | 43·3 | 51·2 | + 3·4 | 64 | 0 | 2 | 0·21 | - 0·23 | 5·6 | + 0·1 | 34 | | | | | | | Strathpeffer. |
| *b*, Main- *p* Glencarron | 500 | | | | | | | | | | | | | | | | | | | | | | | |
| land. *p* Fort Augustus | 68 | 68 | 17th | 39 | 23rd | 57·7 | 44·7 | 50·8 | + 3·0 | 62 | 0 | 5 | 0·46 | - 0·06 | 2·6 | - 1·8 | 16 | | | | | | | Fort Augustus. |
| *p* Fort William | 175 | 68 | 17th | 40 | 23rd | 58·0 | 44·9 | 51·1 | + 1·8 | 64 | 0 | 5 | 1·22 | + 0·38 | | | | | | | | | | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | 4·4 | — | 27 | 1 | 27 | 52·3 | +2·6 | 47·9 | +1·9 | Crathes S. |
| *p* Gordon Castle | 101 | 69 | 17th | 39 | 21st | 62·0 | 43·1 | 52·0 | + 3·5 | 70 | 0 | 3 | 0·30 | - 0·14 | *5·6* | — | *22* | | | | | | | *Gordon Castle.* |
| *a* Nairn | 82 | 70 | 17th | 36 | 21st | 60·1 | 42·1 | 50·6 | + 2·1 | 60 | 0 | 5 | 0·38 | + 0·01 | 3·2 | — | 20 | | | | | | | Nairn. |
| *a* Aberdeen | 46 | 73 | 18th | 39 | 21st | 62·3 | 45·1 | 53·2 | + 5·5 | 78 | 0 | 3 | 0·35 | - 0·13 | 5·0 | - 1·1 | 31 | | | 47·5 | +2·1 | | | Aberdeen. |
| *a* Balmoral | 930 | 67 | 17th | 31 | 21st | 63·7 | 41·0 | 51·7 | + 6·2 | 72 | 3 | 4 | 0·33 | - 0·29 | | | | 1 | 28 | | | | | Balmoral. |
| *p* Crieff | 440 | 71 | 17th | 41 | 21st | 62·9 | 44·4 | 53·1 | + 3·4 | 78 | 0 | 3 | 0·23 | - 0·32 | 5·7 | — | 35 | | | | | | | Balruddery. |
| *a* Leith | 18 | 71 | 17th | 44 | 17th | 61·1 | 47·9 | 54·1 | + 4·7 | 85 | 0 | 3 | 0·51 | + 0·13 | | | | | | | | | | |
| *a* West Linton | 800 | 67 | 17th | 36 | 17th | 58·6 | 42·4 | 50·0 | + 3·5 | 56 | 0 | 4 | 0·69 | — | *4·3* | — | *27* | 1 | 30 | | | | | *West Linton.* |
| *p* Marchmont | 498 | 72 | 17th | 40 | 23rd | 62·0 | 45·1 | 53·0 | + 5·5 | 77 | 0 | 2 | 0·46 | - 0·08 | 4·5 | - 1·2 | 28 | 0 | 38 | 54·0 | +4·2 | | | Marchmont. |
| *a Edinburgh* | *441* | *70* | *17th* | *43* | *23rd* | *59·9* | *47·1* | *53·1* | — | *78* | *0* | *3* | *0·53* | — | 4·8 | — | 29 | 0 | 33 | | | | | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 63 | 17th | 43 | 23rd | 55·4 | 45·3 | 50·1 | + 0·2 | 57 | 0 | 5 | 0·44 | - 0·17 | | | | | | | | | | |
| *p* Glasgow Observatory | 189 | 67 | 17th | 44 | 23rd | 58·9 | 48·1 | 53·2 | + 3·5 | 78 | 0 | 3 | 0·36 | - 0·21 | 3·4 | - 1·9 | 21 | 0 | 36 | | | | | Glasgow. |
| *p* Rothesay | 73 | 64 | 17th | 41 | 23rd | 57·1 | 45·0 | 50·7 | + 1·0 | 61 | 0 | 3 | 0·28 | - 0·37 | *5·1* | — | *32* | 0 | 41 | 54·1 | | 49·4 | +2·1 | *Rothesay.* |
| *a* Kilmarnock | 90 | 66 | 17th | 43 | 23rd | 59·4 | 46·1 | 52·4 | + 2·6 | 73 | 0 | 3 | 0·26 | — | *5·0* | — | *31* | | | | | | | *Kilmarnock.* |
| *a* Colmonell | 150 | 70 | 17th | 42 | 20th | 61·6 | 45·7 | 53·2 | + 3·2 | 78 | 0 | 3 | 0·18 | - 0·40 | | | | 0 | 39 | | | | | |
| *p* Dumfries | 160 | 69 | 17th | 42 | 20th | 62·1 | 46·9 | 54·0 | + 3·5 | 84 | 0 | 3 | 0·43 | - 0·14 | *4·8* | — | *30* | 0 | 37 | 55·2 | | 50·7 | | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 67 | 18th | 40 | 20th | 63·3 | 43·6 | 52·9 | + 3·0 | 76 | 0 | 1 | 0·23 | - 0·47 | | | | | | | | | | |
| *b*. I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p*, Douglas | 277 | 67 | 17th | 43 | 23rd | 60·6 | 48·1 | 54·0 | + 4·4 | 84 | 0 | 1 | 0·04 | - 0·53 | 6·3 | - 0·9 | 40 | 0 | 40 | | | | | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 71 | 17, 18 | 41 | 17th | 62·7 | 46·6 | 54·2 | + 6·3 | 85 | 0 | 2 | 0·37 | - 0·12 | 3·9 | — | 24 | 0 | 36 | 54·3 | +4·1 | 49·5 | +2·7 | Cockle Park |
| *a* Shields | 96 | 71 | 18th | 44 | 17th | 62·1 | 49·6 | 55·5 | + 7·3 | 95 | 0 | 1 | 0·28 | - 0·10 | | | | | | | | | | |
| *p* Durham | 336 | 75 | 18th | 41 | 17, 23 | 65·1 | 48·4 | 55·2 | + 6·6 | 92 | 0 | 3 | 0·52 | + 0·10 | 5·0 | - 0·5 | 31 | 0 | 40 | | | | | Durham. |
| *a*, North *p* Rounton | 249 | 75 | 18th | 41 | 17th | 65·7 | 45·7 | 55·1 | + 7·3 | 92 | 0 | 2 | 0·64 | + 0·24 | | | | 0 | 37 | 54·6 | | | | Rounton. |
| *a West Witton* | *605* | *73* | *18th* | *39* | *17th* | *63·6* | *47·1* | *54·9* | — | *90* | *0* | *3* | *0·77* | — | | | | 0 | 35 | 55·0 | | 47·5 | | *West Witton.* |
| *p* Scarborough | 100 | 69 | 20th | 42 | 17, 18 | 61·7 | 48·0 | 54·4 | + 5·4 | 87 | 0 | 3 | 0·48 | + 0·07 | 6·6 | — | 42 | | | | | 50·5† | | Scarborough. |
| *p* York | 56 | 75 | 18th | 43 | 17th | 67·6 | ~~47·7~~ | 57·1 | + 6·3 | 106 | 0 | 2 | 0·59 | + 0·15 | 5·0 | - 0·7 | 31 | | | 53·7 | +2·5 | 49·7 | +2·1 | York. |
| | | | | | | | | | | | | | | | *4·0* | — | *26* | 0 | 38 | 54·3 | +2·8 | 48·4 | +1·5 | *Hull.* |
| *b*, South *a* Spurn Head | 26 | 72 | 22nd | 44 | 17th | 62·7 | 49·0 | 55·4 | + 5·7 | 94 | 0 | 3 | 1·26 | + 0·90 | *6·1* | — | *39* | | | | | | | *Spurn Head.* |
| *a* Lincoln | 58 | 73 | 18, 21 | 41 | 17th | 68·7 | 49·4 | 58·5 | + 7·3 | 116 | 0 | 2 | 0·91 | + 0·50 | | | | 0 | 38 | 58·4 | +6·2 | 50·1 | +2·2 | Lincoln. |
| *a* Fulbeck | 180 | 74 | 21st | 40 | 17th | 68·6 | 46·4 | 56·8 | + 6·3 | 104 | 0 | 2 | 1·02 | + 0·59 | 8·5 | — | 55 | 0 | 33 | 58·8 | +3·7 | 50·4 | +1·5 | Ranceby. |
| | | | | | | | | | | | | | | | 9·1 | — | 58 | | | | | | | Skegness. |
| | | | | | | | | | | | | | | | *11·7* | — | *75* | 0 | 38 | 58·0 | +3·6 | 52·3 | +2·4 | *Lowestoft.* |
| *p* Cromer | 196 | 76 | 22nd | 42 | 18th | 65·6 | 48·3 | 56·4 | + 6·7 | 101 | 0 | 2 | 0·18 | — | 9·0 | — | 58 | | | | | | | Cromer. |
| *p* Little Massingham | 280 | 76 | 21, 22 | 41 | 17th | 66·7 | 47·1 | 57·3 | + 6·4 | 107 | 0 | 2 | 0·43 | 0·00 | 9·9 | + 3·3 | 64 | 0 | 35 | | | | | Lit. Massingham. |
| *a*, North *a* Yarmouth | 17 | 69 | 21st | 46 | 19th | 62·9 | 50·3 | 56·2 | + 6·6 | 99 | 0 | 2 | 0·24 | - 0·14 | 11·3 | — | 72 | | | 58·1 | +2·2 | 52·6 | +0·9 | Yarmouth. |
| *a* Norwich | 93 | 80 | 22nd | 39 | 18th | 71·1 | 47·0 | 58·3 | + 8·1 | 114 | 0 | 2 | 0·18 | — | *10·7* | — | *69* | 0 | 35 | 57·0 | | | | *Norwich.* |
| *a* Geldeston | 37 | 79 | 22nd | 41 | 19th | 70·3 | 45·9 | 57·4 | + 6·9 | 108 | 0 | 2 | 0·14 | - 0·26 | 11·1 | + 4·1 | 71 | | | | | | | Geldeston. |
| *p* Cambridge | 41 | 78 | 22nd | 35 | 18th | 72·6 | 43·0 | 56·9 | + 5·0 | 104 | 0 | 2 | 0·41 | 0·00 | 9·5 | + 3·0 | 62 | 1 | 29 | 57·2 | +3·2 | 51·8 | +1·2 | Cambridge. |
| *p Felixstowe* | *10* | *73* | *21st* | *44* | *17, 19* | *64·0* | *48·0* | *55·5* | *+ 4·8* | *95* | *0* | *2* | *0·25* | — | *11·6* | — | *75* | | | | | | | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 74 | 21st | 45 | 17, 19 | 66·0 | 49·3 | 57·2 | + 7·1 | 106 | 0 | 2 | 0·43 | — | 11·0 | — | 71 | 0 | 40 | 55·8 | +2·2 | 52·2 | +1·1 | Clacton. |
| *b*, South *a* Rothamsted | 424 | 75 | 21, 22 | 40 | 17, 18 | 71·0 | 44·1 | 56·7 | + 6·0 | 103 | 0 | 2 | 0·24 | - 0·19 | 10·1 | + 3·8 | 66 | | | | | | | Rothamsted. |
| *a Shoeburyness* | *13* | *79* | *21st* | *43* | *20th* | *68·9* | *47·9* | *57·8* | *+ 5·1* | *111* | *0* | *2* | *0·19* | *- 0·06* | *11·2* | — | *73* | 0 | 40 | 58·3 | +3·0 | | | *Southend.* |
| *p* Tottenham | 51 | 82 | 22nd | 43 | 17th | 74·7 | 48·3 | 60·7 | + 8·9 | 131 | 0 | 2 | 0·36 | — | 11·2 | — | 73 | 0 | 39 | | | 52·9 | +2·5 | Tottenham. |
| | | | | | | | | | | | | | | | *5·5* | — | *35* | 0 | 38 | 55·1 | +3·7 | 47·6 | +2·2 | *Huddersfield.* |
| *a* Harrogate | 476 | 73 | 18th | 41 | 17th | 63·3 | 46·9 | 54·6 | + 5·9 | 88 | 0 | 2 | 0·40 | - 0·07 | 6·0 | — | 38 | 0 | 39 | 53·0 | +4·0 | 50·1 | +3·0 | Harrogate. |
| *a* Bawtry | 65 | 73 | 18th | 38 | 17th | 67·1 | 46·9 | 56·4 | + 5·7 | 101 | 0 | 2 | 0·67 | + 0·25 | 6·7 | + 1·3 | 43 | 0 | 33 | 55·1 | | 50·8 | | Worksop. |
| *p Buxton* | *987* | *68* | *19, 20* | *36* | *17th* | *64·1* | *44·6* | *53·8* | *+ 6·6* | *83* | *0* | *2* | *0·46* | *- 0·24* | *6·2* | — | *40* | 0 | 35 | 52·0 | +0·9 | 47·1 | +1·4 | *Buxton.* |
| *a*, East *a* Nottingham | 82 | 75 | 18th | 39 | 17th | 68·1 | 47·1 | 57·9 | + 6·2 | 105 | 0 | 2 | 0·67 | + 0·26 | 6·9 | — | 44 | 0 | 37 | 57·5 | +4·7 | 50·2 | +2·0 | Nottingham. |
| *p* Birmingham, Edgbn. | 535 | 71 | 22nd | 43 | 17th | 68·1 | 48·4 | 57·7 | + 7·2 | 110 | 0 | 2 | 0·64 | + 0·18 | 8·6 | — | 55 | 1 | 27 | 53·4 | +4·1 | 48·0 | +1·7 | Birmingham. |
| *a* Raunds | 204 | 78 | 21, 22 | 35 | 18th | 72·1 | 44·4 | 57·4 | + 6·5 | 108 | 0 | 2 | *0·25* | — | *3·4* | — | *61* | 1 | 28 | 56·3 | | 50·4 | | *Raunds.* |
| *p* Oxford | 208 | 76 | 22nd | 41 | 17, 18 | 72·4 | 46·3 | 58·6 | + 6·9 | 116 | 0 | 2 | 0·17 | - 0·23 | 10·3 | + 4·0 | 67 | 0 | 35 | | | | | Oxford. |
| | | | | | | | | | | | | | | | 6·8 | — | 43 | 0 | 34 | 53·8 | +3·1 | 48·2 | +2·0 | Sheffield. |
| *a* Cheadle | 646 | 69 | 19, 21 | 41 | 17th | 66·9 | 45·9 | 55·8 | + 6·4 | 97 | 0 | 2 | 0·29 | - 0·18 | | | | 0 | 39 | | | | | Cheadle. |
| *p* Shrewsbury | 191 | 76 | 17th | 37 | 18th | 68·1 | 44·7 | 55·7 | + 4·4 | 96 | 0 | 1 | 0·03 | — | | | | 0 | 38 | | | | | Shrewsbury. |
| *b*, West *a* Hereford§ | 291 | 74 | 20th | 39 | 17th | 68·3 | 44·4 | 55·6 | + 4·1 | 95 | 0 | 2 | 0·33 | - 0·14 | *10·6* | — | *69* | 0 | 31 | 58·2 | | 52·5 | | *Malvern.*§ |
| *a* Cirencester | 446 | 73 | 20, 22 | 44 | 22nd | 69·9 | 49·0 | 58·8 | + 8·6 | 118 | 0 | 2 | 0·20 | - 0·27 | 10·1 | + 3·6 | 66 | 0 | 39 | 55·4 | | 50·6 | | Cirencester. |
| *a* Bath | 66 | 75 | 22nd | 39 | 17th | 69·1 | 45·0 | 56·3 | + 4·3 | 100 | 0 | 2 | 0·20 | - 0·23 | 9·9 | — | 64 | | | | | | | Bath. |
| | | | | | | | | | | | | | | | | | | 0 | 38 | 59·4 | +5·5 | 53·1 | +2·2 | Canterbury. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Kew | 18 | 79 | 22nd | 44 | 17th | 72·1 | 48·0 | 59·3 | + 7·0 | 121 | 0 | 2 | 0·34 | - 0·02 | 11·1 | + 4·7 | 72 | 0 | 32 | 56·9 | +2·9 | 51·1 | +1·5 | Kew. |
| *a* Marlborough | 424 | 76 | 22nd | 32 | 17th | 71·3 | 38·7 | 54·0 | + 4·0 | 98 | 9 | 2 | 0·36 | - 0·07 | 10·6 | + 4·6 | 69 | 1 | 30 | | | 51·2 | | Marlborough. |
| *a* Margate | 35 | 76 | 21, 22 | 50 | 20th | 67·1 | 52·4 | 59·3 | + 7·9 | 121 | 0 | 2 | 1·28 | + 0·94 | 10·6 | + 4·2 | 69 | 0 | 49 | 57·5 | +4·5 | 52·3 | +2·7 | Margate. |
| *a* Wisley, Surrey | 150 | 80 | 22nd | 37 | 18th | 73·6 | 43·3 | 57·5 | + 5·3 | 109 | 0 | 2 | 0·31 | — | 10·9 | — | 71 | 2 | 25 | 56·2 | +2·1 | 51·1 | +0·7 | Wisley. |
| | | | | | | | | | | | | | | | 12·5 | — | 82 | 0 | 47 | 59·4 | +4·0 | 52·8 | +1·9 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 77 | 19, 22 | 39 | 17th | 75·1 | 44·0 | 58·6 | + 6·1 | 116 | 0 | 2 | 0·44 | - 0·01 | | | | 0 | 35 | 59·6 | | | | Salisbury. |
| *a* Tunbridge Wells | 418 | | | | | | | | | | | | | | | | | | | | | | | Tunbridge Wells |
| *a* Dungeness | 21 | 69 | 19th | 44 | 19th | 65·1 | 48·7 | 56·4 | + 5·1 | 101 | 0 | 2 | 0·20 | - 0·07 | 11·5 | — | 75 | | | | | | | Littlestone. |
| *p* Hastings | 178 | 73 | 19, 22 | 48 | 18th | 69·4 | 50·1 | 59·2 | + 7·5 | 120 | 0 | 1 | 0·05 | - 0·32 | *12·1* | *+ 4·6* | *79* | 0 | 42 | 58·6 | | 52·4 | | *Hastings.* |
| *p* Southampton | 65 | 76 | 18, 19 | 45 | 18th | 73·3 | 48·7 | 60·3 | + 6·7 | 128 | 0 | 2 | 0·19 | - 0·25 | 11·8 | + 4·8 | 77 | 0 | 36 | | | | | Southampton. |
| *a* Ventnor | 80 | 72 | 18th | 47 | 18th | 68·1 | 51·6 | 59·4 | + 6·7 | 122 | 0 | 1 | 0·12 | - 0·25 | 12·2 | + 4·9 | 80 | | | | | | | Ventnor. |
| | | | | | | | | | | | | | | | *12·1* | — | *79* | 0 | 39 | 59·4 | +3·2 | 54·3 | +1·9 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 12·0 | + 4·7 | 78 | | | 57·8 | | 53·6 | | Eastbourne. |
| | | | | | | | | | | | | | | | *11·9* | — | *78* | | | 57·1 | | 51·3 | | *Bournemouth.* |
| | | | | | | | | | | | | | | | *12·1* | *+ 5·0* | *79* | 0 | 43 | | | 53·3 | | *Brighton.* |
| LONDON. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a Westminster* | *27* | *78* | *22nd* | *46* | *17th* | *73·3* | *50·5* | *61·2* | *+ 8·4* | *134* | *0* | *2* | *0·50* | *+ 0·14* | *10·1* | *+ 4·3* | *66* | 0 | 40 | | | | | *Westminster.* |
| *a Greenwich* | *155* | *83* | *22nd* | *42* | *19th* | *75·6* | *46·6* | *60·2* | *+ 7·3* | *127* | *0* | *2* | *0·35* | *- 0·03* | *11·4* | *+ 5·4* | *74* | 2 | 28 | | | | | *Greenwich.* |
| *a Hampstead* | *450* | *77* | *22nd* | *42* | *17th* | *71·0* | *50·2* | *60·0* | — | *136* | *0* | *2* | *0·61* | — | *11·1* | — | *72* | 0 | 37 | | | | | *Hampstead.* |
| *a Camden Square* | *110* | *83* | *22nd* | *44* | *17th* | *76·9* | *49·3* | *62·3* | — | *142* | *0* | *2* | *0·36* | — | *10·0* | — | *65* | 0 | 39 | | | | | *Camden Square.* |
| | | | | | | | | | | | | | | | *4·1* | — | *26* | 0 | 35 | 53·2 | +2·2 | 47·7 | +1·4 | *Burnley.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | 6·4 | — | 41 | | | | | | | Hoylake. |
| *p* Aspatria | 250 | 67 | 17th | 44 | 23rd | 60·4 | 47·0 | 53·3 | + 4·1 | 79 | 0 | 2 | 0·45 | - 0·12 | 4·0 | — | 25 | 0 | 35 | 54·5 | | 48·7 | | Aspatria. |
| *p* Newton Rigg | 559 | 70 | 17th | 42 | 23rd | 62·4 | 48·0 | 54·8 | + 6·3 | 99 | 0 | 4 | 0·47 | - 0·07 | 4·5 | - 1·8 | 28 | 0 | 32 | 55·0 | +3·8 | 50·3 | +3·6 | Newton Rigg. |
| *p* Stonyhurst | 375 | 67 | 17th | 41 | 17th | 62·1 | 47·1 | 54·2 | + 4·3 | 85 | 0 | 3 | 0·46 | - 0·17 | 4·3 | - 1·9 | 27 | 0 | 32 | | | | | Stonyhurst. |
| *p* Blackpool | 66 | 63 | 17th | 48 | 17th | 59 7 | 50·4 | 54·8 | + 4·4 | 90 | 0 | 3 | 0·96 | + 0·48 | 5·6 | - 0·9 | 36 | 0 | 36 | 53·6 | | 49·5 | | Blackpool. |
| *p* Manchester (Whit. Pk.) | 125 | 70 | 17th | 45 | 17th | 65·3 | 48·6 | 56·5 | + 4·5 | 102 | 0 | 2 | 0·33 | - 0·09 | *4·0* | *- 0·9* | *26* | | | | | | | *Whit. Park.* |
| *a* Liverpool (Bidston) | 188 | 66 | 20, 21 | 48 | 17th | 61·4 | 50·4 | 55·6 | + 4·9 | 95 | 0 | 2 | 0·20 | - 0·22 | *6·8* | — | *43* | | | | | | | *Liverpool.* |
| *a Hawarden Bridge* | *22* | *69* | *20, 21* | *43* | *17, 23* | *65·3* | *49·7* | *56·1* | *+ 4·3* | *99* | *0* | *2* | *0·19* | *- 0·21* | *5·6* | *- 1·2* | *36* | 0 | 38 | 59·3 | +4·3 | 53·4 | +2·1 | *Southport.* |
| | | | | | | | | | | | | | | | *4·1* | — | *26* | 0 | 40 | 54·4 | +2·8 | 51·4 | +3·2 | *Manchester (City)* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 68 | 21st | 47 | 23rd | 63·7 | 51·1 | 57·0 | + 6·2 | 105 | 0 | 1 | 0·05 | - 0·38 | 6·7 | + 0·1 | 43 | | | | | | | Llandudno. |
| *a* Holyhead | 57 | 64 | 17th | 46 | 23rd | 60·4 | 49·7 | 54·7 | + 4·6 | 89 | 0 | 1 | 0·01 | - 0·41 | *7·6* | — | *48* | | | | | | | *Holyhead.* |
| *Bettws-y-Coed* | 101 | *69* | *17th* | *43* | *18th* | *60·9* | *48·4* | *54·3* | *+ 3·3* | *89* | *0* | *1* | *0·08* | — | *5·4* | — | *34* | 0 | 42 | 52·9 | +2·1 | 48·9 | +1·2 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 7·3 | — | 47 | | | | | | | Aberdovey. |

* For note see also opposite page. † At 3 ft. ‖ Hoar frost. § The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | • | in. | in | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Llangammarch Wells | 550 | 72 | 18th | 37 | 17th | 66·3 | 44·3 | 54·6 | + 5·1 | 88 | 0 | 2 | 0·23 | — | 6·9 | — | 57 | • | • | • | • | • | • | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 67 | 18th | 48 | 23rd | 60·0 | 51·3 | 55·4 | + 5·3 | 94 | 0 | 0 | 0·00 | - 0·42 | 9·0 | + 1·9 | 58 | • | • | • | • | • | • | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 72 | 20th | 46 | 17, 18 | 67·0 | 48·3 | 57·1 | + 4·9 | 106 | 0 | 2 | 0·09 | - 0·46 | *9·0* | — | *58* | 0 | 35 | 58·7 | +4·7 | 52·1 | +2·7 | Pembroke. *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 74 | 18-20 | 45 | 17th | 70·6 | 49·9 | 59·6 | + 7·1 | 123 | 0 | 2 | 0·40 | - 0·10 | *10·3* | — | 67 | 0 | 39 | • | • | • | • | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 73 | 19th | 36 | 20th | 68·0 | 46·3 | 56·5 | + 6·1 | 102 | 0 | 2 | 0·49 | + 0·02 | • | • | • | • | • | 58·0 | • | 51·9 | • | Shaftesbury. |
| *a* Arlington .. .. | 613 | 71 | 18th | 43 | 17, 22 | 64·3 | 45·6 | 54·4 | + 4·5 | 87 | 0 | 1 | 0·04 | - 0·59 | • | • | • | • | • | • | • | • | • | Arlington. |
| *a Newquay* .. .. | *190* | *63* | *20th* | *40* | *22nd* | *59·3* | *48·4* | *53·5* | *+ 1·9* | *81* | *0* | *1* | *0·09* | *- 0·24* | 10·5 | + 3·4 | 69 | 0 | 34 | 57·8 | • | 52·1 | • | Newquay. |
| *a* Cullompton .. .. | 202 | 77 | 20th | 39 | 17th | 72·1 | 45·9 | 58·2 | + 6·4 | 113 | 0 | 2 | 0·20 | - 0·27 | 11·5 | + 5·1 | 75 | 0 | 34 | 59·8 | • | • | • | Cullompton. |
| *a* Portland .. .. | 19 | 69 | 19th | 49 | 22nd | 64·1 | 51·3 | 57·3 | + 5·8 | 107 | 0 | 1 | 0·28 | — | *11·8* | — | *77* | • | • | • | • | • | • | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 70 | 17, 20 | 47 | 22nd | 67·4 | 49·7 | 58·0 | + 5·3 | 112 | 0 | 1 | 0·14 | - 0·31 | 12·2 | + 5·1 | 80 | 0 | 37 | 61·4 | +6·0 | • | • | Plymouth. |
| *a* Falmouth .. .. | 167 | 72 | 18th | 46 | 22nd | 66·6 | 50·0 | 57·8 | + 6·1 | 111 | 0 | 1 | 0·04 | - 0·44 | 12·2 | + 4·6 | 80 | 0 | 40 | 61·0 | • | 55·2 | • | Falmouth. |
| **9.** IRELAND. N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. { *a* Malin Head .. .. | 208 | 55 | 17-19, 21 | 43 | 23rd | 53·1 | 46·9 | 49·8 | + 0·6 | 55 | 0 | 3 | 0·20 | - 0·28 | • | • | • | • | • | • | • | • | • | |
| *a* Blacksod Point .. | 37 | 58 | 19-21 | 42 | 23rd | 55·3 | 47·9 | 51·4 | + 0·8 | 66 | 0 | 4 | 0·16 | - 0·45 | • | • | • | • | • | • | • | • | • | |
| *p* Markree Castle .. | 122 | 64 | 21st | 39 | 18th | 59·0 | 45·3 | 51·7 | + 2·1 | 68 | 0 | 3 | 0·12 | - 0·48 | 5·1 | - 1·0 | 32 | 0 | 34 | 55·5 | • | 50·4 | • | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 66 | 17th | 42 | 23rd | 61·6 | 48·7 | 54·8 | + 4·2 | 90 | 0 | 1 | 0·16 | - 0·36 | *4·8* | *- 1·2* | *31* | • | • | • | • | • | • | *Birr Castle.* |
| *b*, East .. { *p* Armagh .. .. | 196 | 68 | 17, 18 | 40 | 23rd | 61·6 | 46·9 | 53·8 | + 4·2 | 83 | 0 | 2 | 0·10 | - 0·47 | 4·6 | - 1·4 | 29 | 0 | 39 | 56·2 | +3·0 | 51·0 | +1·6 | Armagh. |
| *a* Donaghadee .. .. | 40 | 66 | 21st | 44 | 18, 22 | 59·4 | 46·0 | 52·3 | + 2·6 | 72 | 0 | 1 | 0·08 | - 0·44 | • | • | • | • | • | • | • | • | • | |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, East .. { *p* Dublin, City .. .. | 47 | 69 | 17th | 45 | 23rd | 64·0 | 51·4 | 57·3 | + 5·3 | 107 | 0 | 3 | 0·45 | - 0·02 | • | • | • | 0 | 42 | 56·8 | +3·9 | 51·6 | +1·6 | *Trinity Coll.* |
| *a* Kilkenny .. .. | 195 | 70 | 17th | 43 | 23rd | 64·6 | 49·7 | 56·7 | + 6·0 | 103 | 0 | 2 | 0·39 | - 0·11 | 5·0 | - 1·8 | 32 | 0 | 36 | • | • | • | • | Phœnix Park. |
| *a* Waterford .. .. | 100 | 70 | 17th | 42 | 17th | 64·4 | 47·9 | 55·7 | + 4·3 | 96 | 0 | 1 | 0·07 | - 0·44 | • | • | • | • | 44 | • | • | • | • | Dublin City. |
| *a Seskin, Carrick-on-Suir* | *541* | *69* | *17th* | *40* | *23rd* | *63·3* | *48·1* | *55·2* | — | *92* | *0* | *2* | *0·71* | — | • | • | • | • | • | • | • | • | • | |
| | | | | | | | | | | | | | | | *6·9* | — | *45* | 0 | 34 | • | • | • | • | *Seskin.* |
| *b*, West .. { *a* Birr Castle .. .. | 175 | 66 | 17th | 42 | 23rd | 61·6 | 48·7 | 54·8 | + 4·2 | 90 | 0 | 1 | 0·16 | - 0·36 | 4·8 | - 1·2 | 31 | • | • | • | • | • | • | Birr Castle. |
| *a* Foynes .. .. | 50 | 64 | 19th | 42 | 23rd | 60·3 | 49·3 | 54·5 | + 2·7 | 88 | 0 | 2 | 0·08 | - 0·42 | • | • | • | • | • | • | • | • | • | |
| *a* Cahir .. .. | 199 | 68 | 17, 21 | 42 | 23rd | 64·3 | 47·3 | 55·3 | + 4·3 | 93 | 0 | 2 | 0·20 | — | • | • | • | • | • | • | • | • | • | |
| *a* Killarney .. .. | 174 | 69 | 17th | 42 | 23rd | 63·3 | 48·8 | 55·6 | + 4·6 | 95 | 0 | 1 | 0·18 | - 0·49 | • | • | • | • | • | • | • | • | • | |
| *a* Valencia .. .. | 30 | 59 | 17-20 | 45 | 17, 22, 23 | 57·4 | 48·4 | 52·6 | + 1·1 | 74 | 0 | 3 | 0·14 | - 0·56 | 5·2 | - 1·6 | 34 | • | • | • | • | • | • | Valencia. |
| *a* Roche's Point .. .. | 32 | 68 | 19th | 44 | 17th | 62·3 | 49·3 | 55·4 | + 3·9 | 94 | 0 | 2 | 0·21 | - 0·33 | 5·8 | — | 38 | • | • | • | • | • | • | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 64 | 20th | 47 | 22nd | 60·6 | 50·1 | 55·0 | + 3·0 | 91 | 0 | 2 | 0·24 | - 0·13 | 9·8 | + 2·2 | 64 | • | • | • | • | • | • | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 77 | 22nd | 46 | 21st | 70·9 | 51·9 | 60·8 | + 7·4 | 132 | 0 | 2 | 0·28 | - 0·17 | 11·8 | + 3·8 | 78 | • | • | • | • | • | • | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 73 | 22nd | 48 | 18, 19, 22 | 69·1 | 49·9 | 58·9 | + 6·3 | 118 | 0 | 1 | 0·43 | 0·00 | 11·8 | + 3·5 | 78 | 0 | 38 | 59·8 | +4·5 | 54·9 | +3·1 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 12·1 hrs. 79 %; Ramsgate, 10·6 hrs. 69 %; Rhyl, 6·4 hrs. 41 %; Salcombe, 12·1 hrs. 79 %; Tenby, 9·6 hrs. (+2·5) 62 %; Torquay, 11·7 hrs. (+4·4) 77 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, May 23rd.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 47 | 46 | 47·0 | +1·0 |
| Kirkwall .. .. | 50 | 48 | 48·8 | +0·7 |
| Wick .. .. .. | 46 | 45 | 45·7 | -1·2 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 53 | 49 | 51·0 | +2·9 |
| Pennan Bay .. .. | 51 | 50 | 50·6 | +2·5 |
| Aberdeen, Cove Bay | 50 | 48 | 48·5 | +1·9 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 49 | 49 | 49·0 | +1·1 |
| Ballantrae .. .. | 53 | 50 | 51·4 | +2·1 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 49 | 42 | 46·1 | +1·0 |
| Scarborough .. .. | 53 | 48 | 50·7 | +3·8 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 54 | 50 | 52·1 | +2·3 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 58 | 55 | 56·1 | +3·3 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 54 | 49 | 50·7 | +2·4 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 56 | 53 | 55·2 | +2·5 |
| Scilly .. .. .. | 58 | 54 | 55·6 | — |
| Plymouth‡ .. .. | 57 | 55 | 56·0 | +4·7 |
| Salcombe .. .. | 60 | 54 | 55·7 | +4·5 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 54 | 50 | 52·2 | +1·3 |
| Teelin .. .. .. | 55 | 50 | 52·4 | -1·1 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 56 | 52 | 53·8 | +2·4 |
| Seafield .. .. | 60 | 54 | 57·3 | +3·8 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, May 23rd.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Aberdeen .. .. | 105 | — | — | — | — | 36 | 132 | W. by N. 10 | 20th 16h. | 17 20th 16.35 |
| Rosyth .. .. | 73 | — | — | 20, 21 | 8 | 55 | 105 | W. by S. 12 | 20th 17h. | 19 20th 10.40 |
| **6** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 20, 21 | 10 | 46 | 112 | SW. by W 14 | 20th 11h. | 20 20th 11.10 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 28 | 140 | W. by N. 9 | 20th 14h. | 20 20th 13.55 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | — | — | — | — | — — — |
| South Shields .. | 61 | — | — | 20, 23 | 5 | 49 | 114 | WNW. 13 | 20th 13, 14h. | 19 20th 13.25 |
| Spurn Head .. | 40 | — | — | 23rd | 6 | 10 | 152 | N. by W. 13 | 23rd 18h. | 18 23rd 18.15 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | — | — | 56§ | 107§ | — 10 | 22nd 12h. | 14 23rd 20.25§ |
| Shoeburyness .. | 90 | — | — | — | — | 31 | 137 | — 10 | 17th 15h. | 13 17th 14.30 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 17th | 1 | 69 | 98 | — 11 | 17th 17h. | 15 17th 16.40 |
| Warlingham .. | 33 | — | — | — | — | — | 168 | — 5 | 17th 12h. | 11 17th 12. 5 |
| Brighton .. .. | 53 | — | — | — | — | 9 | 159 | — 7 | 23rd 20h. | 12 23rd 19.40 |
| Kew .. .. .. | 40 | — | — | — | — | — | 168 | NE. 5 | 17th 12h. | 11 22nd 21.30 |
| South Kensington | 92 | — | — | — | — | — | 168 | E. by N. 5 | 19th 19h. | 9 19th 19.25 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Southport .. .. | 62 | — | — | 23rd | 2 | 49 | 117 | NW. by N 11 | 23rd 8h. | 15 23rd 8.40 |
| Holyhead .. .. | 40 | — | — | 23rd | 20 | 40 | 108 | N. by W. 13 | 23rd 6h. | 17 23rd 6. 5 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | — | — | 23rd | 3 | 67 | 98 | N. 12 | 23rd 16h. | 17 23rd 16.35 |
| Plymouth .. .. | 88 | — | — | — | — | 13 | 155 | — 7 | 23rd 18h. | 14 23rd 18.15 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | — | — | 63 | 105 | — 10 | 23rd 15h. | 14 21st 14.30 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — — | — — — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | — | — | 12 | 156 | N. 8 | 23rd 13h. | 12 23rd 13.20 |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907–1911, but in some cases for 1908–1911, or 1909–1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s) 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

**TWENTIETH WEEK**—May 17th to May 23rd, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 70 | 36 | 55·8 | 43·1 | 49·1 | + 1·4 | 50 | + 4 | 0 | − 6 | 5 | + 1 | 0·59 | −0·03 | 4·4 | −1·3 | 27 | 1022 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 73 | 31 | 61·6 | 43·9 | 52·2 | + 4·1 | 71 | + 19 | 0 | − 6 | 3 | − 1 | 0·41 | −0·09 | 4·6 | −1·5 | 29 | 1023 |
| 2. ENGLAND, N.E. ... ... | 75 | 40 | 65·0 | 47·6 | 55·8 | + 6·9 | 97 | + 45 | 0 | − 3 | 2 | − 1 | 0·67 | +0·29 | 6·4 | −0·1 | 40 | 1025 |
| 3. ENGLAND, EAST ... | 82 | 35 | 69·2 | 47·0 | 57·5 | + 6·6 | 109 | + 43 | 0 | − 3 | 2 | − 1 | 0·29 | −0·14 | 10·4 | +3·8 | 68 | 1024 |
| 4. MIDLAND COUNTIES ... | 78 | 35 | 68·5 | 46·3 | 56·7 | + 5·9 | 103 | + 36 | 0 | − 4 | 2 | − 1 | 0·35 | −0·13 | 8·2 | +2·1 | 52 | 1025 |
| 5. ENGLAND, S.E. ... ... | 80 | 32 | 70·6 | 47·3 | 58·2 | + 5·9 | 113 | + 39 | 0 | − 1 | 2 | − 1 | 0·37 | −0·04 | 11·5 | +4·7 | 75 | 1024 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 70 | 40 | 59·8 | 46·1 | 52·6 | + 2·7 | 74 | + 15 | 0 | − 3 | 3 | 0 | 0·28 | −0·38 | 4·9 | −1·6 | 30 | 1024 |
| 7. ENGLAND, N.W. ... ... | 70 | 41 | 61·9 | 49·0 | 55·1 | + 4·6 | 92 | + 30 | 0 | − 1 | 2 | − 1 | 0·37 | −0·13 | 5·5 | −1·1 | 35 | 1026 |
| 8. ENGLAND, S.W. ... ... | 74 | 36 | 66·6 | 48·3 | 56·9 | + 5·2 | 104 | + 35 | 0 | − 1 | 1 | − 2 | 0·19 | −0·30 | 10·2 | +3·3 | 66 | 1026 |
| 9. IRELAND, NORTH ... | 68 | 39 | 58·3 | 47·0 | 52·3 | + 2·1 | 72 | + 12 | 0 | − 1 | 2 | − 1 | 0·14 | −0·40 | 4·9 | −1·5 | 31 | 1026 |
| 10. IRELAND, SOUTH ... | 70 | 42 | 62·5 | 49·0 | 55·3 | + 3·6 | 93 | + 24 | 0 | − 1 | 2 | − 2 | 0·21 | −0·33 | 5·2 | −1·5 | 33 | 1027 |
| 11. ENGLISH CHANNEL ... | 77 | 46 | 66·9 | 50·6 | 58·2 | + 5·2 | 113 | + 36 | 0 | 0 | 2 | − 1 | 0·32 | −0·08 | 11·1 | +3·0 | 74 | 1026 |

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 12 Weeks, March 1st to May 23rd, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 72 | 22 | * | * | * | * | 332 | + 50 | 155 | −100 | 58 | + 3 | 10·38 | +0·72 | 3·9 | −0·2 | 29 | 1007 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 75 | 16 | * | * | * | * | 445 | +101 | 214 | − 63 | 47 | + 1 | 6·75 | +0·96 | 4·9 | +0·4 | 37 | 1008 |
| 2. ENGLAND, N.E. ... ... | 75 | 25 | * | * | * | * | 530 | +183 | 122 | − 84 | 41 | − 1 | 4·20 | −0·41 | 5·3 | +0·5 | 40 | 1011 |
| 3. ENGLAND, EAST ... | 82 | 25 | * | * | * | * | 591 | +142 | 105 | −113 | 42 | + 1 | 5·40 | +1·00 | 5·7 | +0·7 | 44 | 1013 |
| 4. MIDLAND COUNTIES ... | 78 | 24 | * | * | * | * | 594 | +130 | 138 | − 92 | 44 | + 5 | 5·08 | +0·15 | 5·1 | +0·6 | 39 | 1013 |
| 5. ENGLAND, S.E. ... ... | 80 | 27 | * | * | * | * | 622 | +138 | 59 | − 92 | 44 | + 6 | 7·13 | +2·41 | 6·0 | +1·0 | 46 | 1014 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 71 | 25 | * | * | * | * | 432 | + 63 | 131 | − 59 | 52 | + 6 | 9·35 | +0·81 | 4·8 | +0·2 | 36 | 1010 |
| 7. ENGLAND, N.W. ... ... | 75 | 25 | * | * | * | * | 492 | +105 | 90 | − 73 | 48 | + 6 | 6·43 | +0·28 | 5·0 | +0·4 | 38 | 1012 |
| 8. ENGLAND, S.W. ... ... | 74 | 24 | * | * | * | * | 595 | +132 | 51 | − 74 | 48 | + 7 | 10·00 | +3·20 | 5·9 | +0·8 | 45 | 1014 |
| 9. IRELAND, NORTH ... | 71 | 26 | * | * | * | * | 472 | + 67 | 112 | − 40 | 56 | + 6 | 8·27 | +1·28 | 4·9 | +0·5 | 37 | 1010 |
| 10. IRELAND, SOUTH ... | 75 | 26 | * | * | * | * | 589 | + 99 | 66 | − 47 | 53 | + 7 | 8·03 | +0·48 | 5·5 | +0·6 | 42 | 1012 |
| 11. ENGLISH CHANNEL ... | 77 | 35 | * | * | * | * | 719 | +177 | 6 | − 33 | 47 | + 3 | 7·90 | +2·27 | 6·2 | +0·1 | 48 | 1015 |

THE YEAR.—Aggregates, &c., for the Period of 20 Weeks, January 4th, 1914, to May 23rd, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 72 | 16 | * | * | * | * | 408 | + 72 | 385 | −164 | 98 | + 2 | 21·89 | +2·18 | 2·8 | −0·1 | 25 | 1005 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 75 | 15 | * | * | * | * | 532 | +127 | 485 | −128 | 81 | + 4 | 11·73 | +1·46 | 3·6 | +0·2 | 32 | 1007 |
| 2. ENGLAND, N.E. ... ... | 75 | 24 | * | * | * | * | 677 | +280 | 295 | −179 | 73 | + 2 | 6·89 | −0·76 | 3·9 | +0·2 | 35 | 1011 |
| 3. ENGLAND, EAST ... | 82 | 19 | * | * | * | * | 730 | +204 | 296 | −224 | 69 | − 1 | 8·53 | +1·11 | 4·3 | +0·5 | 38 | 1013 |
| 4. MIDLAND COUNTIES ... | 78 | 15 | * | * | * | * | 744 | +190 | 362 | −168 | 72 | + 4 | 8·04 | −0·65 | 3·7 | +0·3 | 33 | 1013 |
| 5. ENGLAND, S.E. ... ... | 80 | 10 | * | * | * | * | 776 | +189 | 240 | −141 | 72 | + 6 | 11·71 | +3·00 | 4·5 | +0·7 | 39 | 1014 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 71 | 18 | * | * | * | * | 543 | + 94 | 314 | −108 | 92 | +10 | 18·41 | +1·84 | 3·3 | −0·1 | 29 | 1007 |
| 7. ENGLAND, N.W. ... ... | 75 | 22 | * | * | * | * | 653 | +183 | 227 | −158 | 80 | + 5 | 12·01 | +0·74 | 3·7 | +0·3 | 32 | 1011 |
| 8. ENGLAND, S.W. ... ... | 74 | 19 | * | * | * | * | 767 | +170 | 192 | −108 | 82 | + 8 | 16·46 | +3·36 | 4·2 | +0·3 | 37 | 1013 |
| 9. IRELAND, NORTH ... | 71 | 25 | * | * | * | * | 626 | +111 | 246 | − 98 | 96 | + 8 | 15·79 | +2·92 | 3·4 | 0·0 | 30 | 1008 |
| 10. IRELAND, SOUTH ... | 75 | 24 | * | * | * | * | 782 | +127 | 174 | − 85 | 95 | +15 | 16·75 | +2·39 | 4·0 | +0·2 | 35 | 1011 |
| 11. ENGLISH CHANNEL ... | 77 | 25 | * | * | * | * | 922 | +184 | 72 | − 37 | 81 | 0 | 13·27 | +2·34 | 4·7 | 0·0 | 41 | 1014 |

M.O., May 27, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 81

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 21. TWENTY-FIRST WEEK, SUNDAY, MAY 24TH, TO SATURDAY, MAY 30TH, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

The outstanding feature of the week's weather was the severe frost of Monday night and Tuesday night. Much damage was done to fruit and early vegetables. The frost came after a depression had passed eastward over these Islands, and the wind had become Northerly, with an anticyclonic distribution of pressure. Later in the period the wind became more variable, and finally shifted to the South-West or West, while temperature became higher during the day and less low at night. Rain was experienced in the western and northern districts with the change of wind direction and the return to cyclonic from anticyclonic conditions, but the falls were mostly slight or moderate.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Deficient | Moderate | Deficient | Very deficient | Deficient | Very deficient | Deficient | Deficient | Deficient | Deficient | Deficient | Deficient |
| | Rainfall ... | Moderate | Light | Very light | Very light | Light | Light | Light | Light | Light | Light | Light | Light |
| | Sunshine ... | Moderate | Moderate | Moderate | Abundant | Scanty | Moderate | Moderate | Moderate | Moderate | Scanty | Scanty | Moderate |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 13 weeks from March 1st, 1914. | Warmth ... | 3 * 1 | 6 * 0 | 8 * 1 | 8 * 2 | 6 * 1 | 7 * 1 | 5 * 3 | 5 * 1 | 8 * 1 | 6 * 3 | 6 * 2 | 9 * 1 |
| | Rainfall ... | 5 * 2 | 5 * 5 | 4 * 6 | 4 * 5 | 4 * 5 | 5 * 4 | 6 * 4 | 4 * 5 | 7 * 6 | 5 * 5 | 4 * 6 | 6 * 5 |
| | Sunshine ... | 4 * 4 | 4 * 2 | 3 * 2 | 6 * 5 | 4 * 5 | 4 * 1 | 4 * 2 | 4 * 2 | 4 * 2 | 4 * 4 | 4 * 4 | 4 * 4 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRING, 1913. Mar. 2nd.–May 31st. 13 weeks. | Warmth ... | 2 * 5 | 2 * 5 | 5 * 2 | 5 * 2 | 4 * 2 | 4 * 2 | 2 * 4 | 4 * 3 | 3 * 2 | 1 * 3 | 1 * 3 | 3 * 4 |
| | Rainfall ... | 6 * 2 | 5 * 3 | 5 * 4 | 5 * 2 | 7 * 3 | 6 * 1 | 8 * 2 | 7 * 3 | 6 * 1 | 7 * 2 | 6 * 1 | 7 * 3 |
| | Sunshine ... | 3 * 3 | 2 * 3 | 1 * 4 | 2 * 6 | 2 * 5 | 2 * 4 | 1 * 8 | 1 * 4 | 0 * 6 | 2 * 5 | 1 * 6 | 0 *10 |
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| | Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| | Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth .. | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| | Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(1442—19.) Wt. 229—611. 450. 6/14. D & S. G. 17/ 36.

**Temperature of the Air** (in Degrees Fahrenheit) **and Rainfall**

| Districts and Names of Stations reporting Temperature of Air and Rainfall | Height of Rain Gauge above M.S.L. | Highest observed | Date | Lowest observed | Date | Mean for the Week: Of Highest each day | Of Lowest each day | For whole of each day | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees): Above 42° | Below 42° | No. of Rain-Days | Rainfall in the Week | Difference from Average |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. |
| **0. SCOTLAND, N.** | | | | | | | | | | | | | | |
| a, Islands .. p Baltasound | 31 | 60 | 27th | 35 | 24th | 53·7 | 39·1 | 46·0 | — | 40 | 8 | 6 | 1·40 | — |
| a, Islands .. a Lerwick | 54 | 51 | 30th | 33 | 24, 25 | 48·4 | 39·1 | 43·5 | − 2·4 | 23 | 8 | 4 | 0·79 | — |
| a, Islands .. a Stornoway | 51 | 57 | 27th | 33 | 25th | 53·1 | 41·3 | 46·9 | − 1·1 | 37 | 2 | 4 | 0·39 | − 0·17 |
| a, Islands .. a Castlebay, Barra Isd. | 37 | 55 | 26th | 38 | 25th | 52·0 | 44·4 | 48·0 | − 0·8 | 42 | 0 | 4 | 0·21 | — |
| b, Mainland. a Wick | 81 | 57 | 29, 30 | 31 | 25, 27 | 51·3 | 38·0 | 44·3 | − 3·7 | 33 | 11 | 4 | 0·32 | − 0·12 |
| b, Mainland. p Strathpeffer | 200 | 64 | 28th | 29 | 25th | 58·1 | 39·9 | 48·5 | − 0·6 | 54 | 6 | 3 | 0·11 | − 0·33 |
| b, Mainland. p Glencarron | 500 | | | | | | | | | | | | | |
| b, Mainland. p Fort Augustus | 68 | 64 | 27th | 26 | 25th | 56·3 | 40·9 | 48·1 | − 1·1 | 47 | 3 | 4 | 0·29 | − 0·20 |
| b, Mainland. p Fort William | 175 | 63 | 26, 27 | 31 | 25th | 58·6 | 39·7 | 48·6 | − 1·9 | 56 | 6 | 5 | 0·41 | − 0·42 |
| **1. SCOTLAND, E.** | | | | | | | | | | | | | | |
| p Gordon Castle | 101 | 64 | 28th | 29 | 25th | 58·1 | 39·3 | 48·1 | − 1·6 | 54 | 8 | 2 | 0·05 | − 0·41 |
| a Nairn | 82 | 63 | 28th | 26 | 25th | 57·7 | 37·9 | 47·2 | − 2·8 | 54 | 11 | 3 | 0·28 | − 0·10 |
| a Aberdeen | 46 | 63 | 29th | 32 | 25th | 56·7 | 40·6 | 48·2 | − 0·9 | 49 | 4 | 2 | 0·24 | − 0·22 |
| a Balmoral | 930 | 71 | 26th | 21 | 25th | 64·4 | 36·0 | 49·4 | + 2·2 | 77 | 17 | 2 | 0·38 | − 0·15 |
| p Crieff | 440 | 68 | 30th | 36 | 24, 25 | 60·1 | 40·6 | 49·8 | − 1·4 | 60 | 4 | 2 | 0·17 | − 0·41 |
| a Leith | 18 | 64 | 30th | 39 | 25th | 58·1 | 44·1 | 50·7 | − 0·1 | 61 | 0 | 2 | 0·12 | − 0·28 |
| a West Linton | 800 | 59 | 30th | 30 | 26th | 55·6 | 37·7 | 46·1 | − 1·8 | 47 | 12 | 3 | 0·08 | — |
| p Marchmont | 498 | 59 | 28, 30 | 36 | 25, 26 | 55·0 | 40·7 | 47·4 | − 1·4 | 43 | 4 | 2 | 0·28 | − 0·26 |
| a Edinburgh | 441 | 62 | 30th | 38 | 24, 25 | 55·9 | 43·1 | 49·1 | — | 50 | 0 | 1 | 0·04 | — |
| **6. a SCOTLAND, W.** | | | | | | | | | | | | | | |
| a Poltalloch | 132 | 61 | 27th | 31 | 24th | 56·4 | 39·6 | 47·5 | − 3·7 | 49 | 7 | 3 | 0·38 | − 0·25 |
| p Glasgow Observatory | 180 | 61 | 26, 27, 30 | 38 | 24th | 57·3 | 43·7 | 50·1 | − 0·9 | 57 | 0 | 4 | 0·14 | − 0·44 |
| p Rothesay | 73 | 62 | 27th | 34 | 26th | 57·3 | 42·6 | 49·5 | − 1·6 | 53 | 0 | 4 | 0·31 | − 0·34 |
| a Kilmarnock | 90 | 63 | 27th | 30 | 24th | 58·0 | 39·9 | 48·4 | − 2·8 | 54 | 6 | 5 | 0·21 | — |
| a Colmonell | 150 | 64 | 27th | 32 | 27th | 58·1 | 40·1 | 48·6 | − 2·8 | 54 | 5 | 3 | 0·37 | − 0·20 |
| p Dumfries | 160 | 67 | 30th | 36 | 26th | 58·0 | 41·4 | 49·2 | − 2·8 | 53 | 2 | 3 | 0·09 | − 0·48 |
| p Cally, Gatehouse | 120 | 63 | 30th | 30 | 26, 27 | 57·4 | 37·7 | 47·0 | − 4·2 | 53 | 12 | 2 | 0·31 | − 0·39 |
| **b. I. OF MAN.** | | | | | | | | | | | | | | |
| p Douglas | 277 | 60 | 27th | 35 | 26th | 55·1 | 42·6 | 48·5 | − 2·3 | 46 | 0 | 3 | 0·42 | − 0·15 |
| **2. ENGLAND, N.E.** | | | | | | | | | | | | | | |
| a, North .. a Alnwick Castle | 210 | 60 | 28th | 32 | 26th | 55·6 | 40·0 | 47·3 | − 2·0 | 46 | 6 | 3 | 0·08 | − 0·40 |
| a, North .. a Shields | 96 | 59 | 28th | 35 | 26th | 53·6 | 42·4 | 47·7 | − 1·8 | 40 | 0 | 3 | 0·07 | − 0·33 |
| a, North .. p Durham | 336 | 60 | 28th | 29 | 26th | 54·3 | 37·9 | 45·6 | − 4·5 | 42 | 11 | 1 | 0·01 | − 0·41 |
| a, North .. p Rounton | 249 | 60 | 28th | 28 | 26th | 54·6 | 37·4 | 45·5 | − 3·8 | 44 | 13 | 2 | 0·03 | − 0·41 |
| a, North .. a West Witton | 605 | 61 | 28th | 29 | 26th | 55·7 | 38·0 | 46·3 | — | 47 | 11 | 3 | 0·29 | — |
| a, North .. p Scarborough | 100 | 61 | 29th | 38 | 26th | 55·1 | 43·7 | 49·1 | − 1·4 | 50 | 0 | 1 | 0·01 | − 0·42 |
| a, North .. p York | 56 | 59 | 29, 30 | 32 | 26th | 56·7 | 39·9 | 47·8 | − 4·5 | 49 | 6 | 4 | 0·20 | − 0·25 |
| b, South .. a Spurn Head | 26 | 58 | 29, 30 | 41 | 26th | 54·4 | 43·3 | 48·5 | − 2·4 | 46 | 0 | 1 | 0·04 | − 0·32 |
| b, South .. a Lincoln | 58 | 64 | 29th | 34 | 26th | 57·0 | 40·6 | 48·3 | − 4·5 | 50 | 4 | 1 | 0·03 | − 0·39 |
| b, South .. a Fulbeck | 180 | 64 | 30th | 30 | 27, 28 | 56·6 | 38·3 | 46·9 | − 5·0 | 50 | 10 | 1 | 0·03 | − 0·41 |
| **3. ENGLAND, E.** | | | | | | | | | | | | | | |
| a, North .. p Cromer | 196 | 62 | 30th | 40 | 28th | 54·4 | 43·3 | 48·5 | − 2·6 | 46 | 0 | 2 | 0·03 | — |
| a, North .. p Little Massingham | 280 | 68 | 29th | 36 | 27th | 56·9 | 39·6 | 47·7 | − 4·5 | 50 | 7 | 2 | 0·05 | − 0·39 |
| a, North .. a Yarmouth | 17 | 61 | 30th | 38 | 28, 29 | 55·6 | 43·1 | 49·0 | − 2·2 | 49 | 0 | 2 | 0·08 | − 0·31 |
| a, North .. a Norwich | 93 | 67 | 29, 30 | 32 | 29th | 58·6 | 38·6 | 48·0 | − 3·7 | 56 | 10 | 2 | 0·05 | — |
| a, North .. a Geldeston | 37 | 66 | 30th | 32 | 29th | 58·0 | 38·0 | 47·4 | − 4·5 | 55 | 11 | 2 | 0·05 | − 0·35 |
| b, South .. p Cambridge | 41 | 65 | 30th | 36 | 26-28 | 58·0 | 40·6 | 48·8 | − 4·3 | 53 | 4 | 0 | 0·00 | 0·43 |
| b, South .. a Felixstowe | 10 | 59 | 27, 30 | 36 | 29th | 55·3 | 40·4 | 47·4 | − 4·8 | 45 | 4 | 2 | 0·05 | — |
| b, South .. a Clacton-on-Sea | 54 | 59 | 27, 30 | 39 | 29th | 55·7 | 42·3 | 48·6 | − 3·1 | 46 | 0 | 2 | 0·05 | — |
| b, South .. a Rothamsted | 424 | 64 | 30th | 34 | 26, 27 | 58·1 | 39·7 | 48·4 | − 3·7 | 54 | 6 | 1 | 0·07 | − 0·38 |
| b, South .. a Shoeburyness | 13 | 64 | 30th | 37 | 25th | 57·6 | 40·6 | 48·6 | − 5·6 | 52 | 4 | 2 | 0·05 | − 0·22 |
| b, South .. p Tottenham | 51 | 68 | 30th | 36 | 27th | 60·1 | 42·1 | 50·6 | − 2·8 | 60 | 0 | 0 | 0·00 | — |
| **4. MIDLAND COUNTIES.** | | | | | | | | | | | | | | |
| a, East .. a Harrogate | 476 | 60 | 28th | 30 | 26th | 54·7 | 39·0 | 46·4 | − 3·9 | 43 | 8 | 2 | 0·17 | − 0·32 |
| a, East .. a Bawtry | 65 | 61 | 29th | 30 | 26th | 57·6 | 38·6 | 47·5 | − 5·0 | 53 | 10 | 2 | 0·39 | − 0·04 |
| a, East .. p Buxton | 987 | 57 | 30th | 28 | 26, 27 | 52·4 | 36·7 | 44·1 | − 4·5 | 37 | 15 | 1 | 0·02 | − 0·70 |
| a, East .. a Nottingham | 82 | 62 | 28th | 32 | 27th | 57·0 | 40·1 | 48·0 | − 4·4 | 50 | 5 | 2 | 0·39 | − 0·03 |
| a, East .. p Birmingham, Edgbsn. | 535 | 61 | 28, 30 | 36 | 26, 27 | 56·0 | 41·9 | 48·5 | − 3·6 | 46 | 0 | 4 | 0·17 | − 0·31 |
| a, East .. a Raunds | 204 | 66 | 29th | 28 | 27th | 59·9 | 38·1 | 48·4 | − 4·0 | 61 | 11 | 3 | 0·22 | — |
| a, East .. p Oxford | 208 | 62 | 29th | 32 | 26, 27 | 59·0 | 41·3 | 49·6 | − 3·7 | 56 | 2 | 2 | 0·15 | − 0·25 |
| b, West .. a Cheadle | 646 | 60 | 28th | 34 | 26th | 55·0 | 40·6 | 47·4 | − 3·4 | 44 | 4 | 1 | 0·03 | − 0·47 |
| b, West .. p Shrewsbury | 191 | 65 | 28th | 30 | 26, 27 | 58·4 | 39·1 | 48·2 | − 4·8 | 56 | 8 | 2 | 0·12 | — |
| b, West .. a Hereford§ | 291 | 66 | 28th | 30 | 27th | 58·7 | 39·7 | 48·6 | − 4·5 | 56 | 6 | 2 | 0·28 | − 0·20 |
| b, West .. a Cirencester | 446 | 62 | 28th | 34 | 27th | 57·7 | 43·4 | 50·1 | − 1·6 | 57 | 0 | 2 | 0·04 | − 0·44 |
| b, West .. a Bath | 66 | 64 | 28th | 29 | 27th | 59·7 | 41·0 | 49·8 | − 3·6 | 59 | 3 | 3 | 0·17 | − 0·28 |
| **5. ENGLAND, S.E** | | | | | | | | | | | | | | |
| p Kew | 18 | 66 | 30th | 36 | 26th | 58·0 | 43·1 | 50·1 | − 3·7 | 57 | 0 | 1 | 0·02 | − 0·37 |
| a Marlborough | 424 | 63 | 28th | 27 | 27th | 58·0 | 38·1 | 47·5 | − 2·9 | 55 | 11 | 3 | 0·33 | − 0·11 |
| a Margate | 35 | 65 | 30th | 42 | 26th | 55·3 | 46·0 | 50·4 | − 2·3 | 59 | 0 | 1 | 0·02 | − 0·33 |
| a Wisley, Surrey | 150 | 67 | 30th | 31 | 27th | 59·9 | 39·4 | 49·0 | − 4·9 | 60 | 7 | 1 | 0·02 | — |
| p Salisbury (Wilton) | 180 | 65 | 28th | 31 | 27th | 60·4 | 40·9 | 50·1 | − 3·8 | 61 | 3 | 3 | 0·25 | − 0·20 |
| a Tunbridge Wells | 418 | | | | | | | | | | | | | |
| a Dungeness | 21 | 61 | 30th | 37 | 28th | 56·9 | 42·3 | 49·2 | − 3·5 | 50 | 0 | 1 | 0·01 | − 0·27 |
| p Hastings | 178 | 60 | 27, 30 | 39 | 26th | 57·4 | 43·4 | 50·0 | − 3·2 | 56 | 0 | 1 | 0·02 | − 0·34 |
| p Southampton | 65 | 65 | 28th | 35 | 26th | 60·9 | 43·4 | 51·6 | − 3·4 | 67 | 0 | 1 | 0·06 | − 0·38 |
| a Ventnor | 80 | 66 | 28th | 37 | 26th | 60·7 | 45·1 | 52·4 | − 1·5 | 73 | 0 | 3 | 0·14 | − 0·25 |
| **LONDON.** | | | | | | | | | | | | | | |
| a Westminster | 27 | 68 | 30th | 40 | 26th | 60·2 | 44·6 | 51·9 | − 2·2 | 69 | 0 | 0 | 0·00 | − 0·40 |
| a Greenwich | 155 | 66 | 30th | 38 | 27, 28 | 60·0 | 41·7 | 50·3 | − 4·0 | 59 | 1 | 1 | 0·01 | − 0·39 |
| a Hampstead | 450 | 66 | 30th | 35 | 26th | 58·6 | 41·9 | 49·8 | — | 55 | 0 | 2 | 0·03 | — |
| a Camden Square | 110 | 70 | 30th | 38 | 27th | 62·3 | 44·6 | 52·9 | — | 76 | 0 | 0 | 0·00 | — |
| **7. a, ENGLAND, N.W.** | | | | | | | | | | | | | | |
| p Aspatria | 250 | 62 | 30th | 35 | 25th | 56·4 | 41·3 | 48·4 | − 2·1 | 48 | 2 | 3 | 0·22 | − 0·34 |
| p Newton Rigg | 559 | 63 | 27, 30 | 29 | 25th | 56·9 | 38·4 | 47·1 | − 2·6 | 51 | 10 | 2 | 0·10 | − 0·44 |
| p Stonyhurst | 375 | 59 | 28, 30 | 34 | 26th | 55·7 | 40·9 | 47·9 | − 3·5 | 46 | 3 | 4 | 0·17 | − 0·46 |
| p Blackpool | 66 | 58 | 28th | 34 | 26th | 55·4 | 42·3 | 48·5 | − 3·2 | 46 | 0 | 2 | 0·15 | − 0·34 |
| p Manchester (Whit. Pk.) | 125 | 61 | 27th | 34 | 26, 27 | 56·4 | 42·0 | 48·8 | − 4·5 | 48 | 0 | 1 | 0·07 | − 0·36 |
| a Liverpool (Bidston) | 188 | 58 | 27th | 40 | 26th | 55·0 | 44·9 | 49·7 | − 2·4 | 54 | 0 | 2 | 0·24 | − 0·21 |
| a Hawarden Bridge | 22 | 59 | 27th | 35 | 26th | 55·7 | 43·6 | 49·3 | − 3·9 | 51 | 0 | 3 | 0·18 | − 0·23 |
| **b, NORTH WALES.** | | | | | | | | | | | | | | |
| p Llandudno | 71 | 60 | 27, 28 | 39 | 26th | 57·0 | 45·1 | 50·7 | − 1·6 | 61 | 0 | 2 | 0·08 | − 0·35 |
| a Holyhead | 57 | 58 | 28th | 39 | 26th | 55·6 | 45·0 | 50·0 | − 1·4 | 56 | 0 | 3 | 0·17 | − 0·26 |
| Bettws-y-Coed | 101 | 59 | 28, 29 | 32 | 26, 27 | 56·0 | 39·7 | 47·4 | − 4·7 | 47 | 6 | 4 | 0·10 | — |

**Bright Sunshine** (Hours per Day) **and Ground Temperature**

| Stations reporting Sunshine and Temperature on the Grass and in the Ground | Sunshine: Daily Mean | Difference from Average | Percentage of possible duration | Grass Min.: Ground Frosts | Lowest Reading | Earth 1 ft.: Mean | Difference from Average | Earth 4 ft.: Mean | Difference from Average |
|---|---|---|---|---|---|---|---|---|---|
| | hr. | hr. | % | ° | ° | ° | ° | ° | ° |
| Baltasound. | 5·1 | — | 29 | * | * | 47·3 | * | * | * |
| Deerness. | 7·5 | + 1·8 | 44 | * | * | * | * | * | * |
| Stornoway. | 4·7 | − 1·6 | 28 | * | * | * | * | * | * |
| Castlebay. | 7·3 | — | 44 | * | * | * | * | * | * |
| * * | * | * | * | * | * | * | * | * | * |
| Strathpeffer. | 5·5 | − 0·1 | 33 | * | * | * | * | * | * |
| * * | * | * | * | * | * | * | * | * | * |
| Fort Augustus. | 5·1 | + 0·7 | 31 | * | * | * | * | * | * |
| * * | * | * | * | * | * | * | * | * | * |
| Crathes S. | 5·6 | — | 34 | 4 | 23 | 51·3 | −0·2 | 49·0 | +1·6 |
| Gordon Castle. | 6·1 | — | 37 | * | * | * | * | * | * |
| Nairn. | 5·7 | — | 34 | * | * | * | * | * | * |
| Aberdeen. | 7·0 | + 0·9 | 42 | * | * | * | * | 48·4 | +1·7 |
| Balmoral. | * | * | * | 3 | 18 | * | * | * | * |
| Balruddery. | 6·8 | — | 41 | * | * | * | * | * | * |
| * * | * | * | * | * | * | * | * | * | * |
| West Linton. | 4·8 | — | 29 | 3 | 24 | * | * | * | * |
| Marchmont. | 5·1 | − 0·8 | 31 | 0 | 31 | 52·3 | +0·6 | * | * |
| Edinburgh. | 6·0 | — | 37 | 1 | 29 | * | * | * | * |
| * * | * | * | * | * | * | * | * | * | * |
| Glasgow. | 5·3 | − 0·1 | 32 | 2 | 24 | * | * | * | * |
| Rothesay. | 6·8 | — | 42 | 0 | 33 | 53·4 | * | 50·1 | +1·3 |
| Kilmarnock. | 7·1 | — | 43 | * | * | * | * | * | * |
| * * | * | * | * | 2 | 29 | * | * | * | * |
| Dumfries. | 6·2 | — | 38 | 1 | 30 | 53·4 | * | 52·0 | * |
| * * | * | * | * | * | * | * | * | * | * |
| Douglas. | 8·6 | + 1·3 | 53 | 0 | 31 | * | * | * | * |
| Cockle Park | 6·2 | — | 38 | 2 | 26 | 50·0 | −2·4 | 49·8 | +1·4 |
| * * | * | * | * | * | * | * | * | * | * |
| Durham. | 4·1 | − 1·5 | 25 | 3 | 25 | * | * | * | * |
| Rounton | * | * | * | 4 | 23 | 51·6 | * | * | * |
| West Witton. | * | * | * | 3 | 25 | 51·1 | * | 48·8 | * |
| Scarborough. | 6·4 | — | 40 | * | * | * | * | 51·1† | * |
| York. | 4·5 | − 1·3 | 28 | * | * | 51·8 | −0·9 | 50·6 | +1·8 |
| Hull. | 4·1 | — | 26 | 3 | 27 | 49·9 | −3·5 | 49·7 | +1·7 |
| Spurn Head. | 7·7 | — | 48 | * | * | * | * | * | * |
| Lincoln. | * | * | * | * | * | 53·7 | −0·5 | 51·8 | +2·4 |
| Rauceby. | 5·6 | — | 35 | 3 | 25 | 55·2 | −2·7 | 52·0 | +1·6 |
| Skegness. | 8·2 | — | 51 | * | * | * | * | * | * |
| Lowestoft. | 10·1 | — | 64 | 0 | 31 | 56·3 | 0·0 | 53·7 | +2·2 |
| Cromer. | 9·4 | — | 59 | * | * | * | * | * | * |
| Lit. Massingham. | 9·0 | + 2·3 | 56 | 2 | 30 | * | * | * | * |
| Yarmouth. | 10·4 | — | 65 | * | * | 57·0 | −1·5 | 54·0 | +0·6 |
| Norwich. | 9·4 | — | 59 | 2 | 28 | 55·4 | * | * | * |
| Geldeston. | 9·2 | + 2·1 | 58 | * | * | * | * | * | * |
| Cambridge. | 6·7 | + 0·1 | 42 | 1 | 30 | 55·3 | 0·0 | 53·5 | +1·5 |
| Felixstowe. | 9·1 | — | 57 | * | * | * | * | * | * |
| Clacton. | 8·4 | — | 53 | 1 | 30 | 54·0 | −1·5 | 53·7 | +1·1 |
| Rothamsted. | 5·3 | − 1·2 | 33 | * | * | * | * | * | * |
| Southend. | 7·9 | — | 50 | 0 | 34 | 55·4 | −2·4 | * | * |
| Tottenham. | 6·2 | — | 40 | 0 | 33 | * | * | 54·8 | +2·7 |
| Huddersfield. | 3·3 | — | 21 | 3 | 25 | 51·3 | −2·3 | 49·1 | +2·1 |
| Harrogate. | 4·7 | — | 29 | 4 | 23 | 50·9 | +0·3 | 50·7 | +2·1 |
| Worksop. | 5·1 | − 0·5 | 32 | 2 | 24 | 52·7 | * | 51·8 | * |
| Buxton. | 4·0 | — | 25 | 2 | 27 | 49·8 | −3·4 | 47·9 | +1·0 |
| Nottingham. | 5·1 | — | 32 | 2 | 27 | 52·5 | −2·3 | 51·6 | +1·8 |
| Birmingham. | 3·4 | — | 21 | 3 | 18 | 48·7 | −2·0 | 49·0 | +1·8 |
| Raunds. | 5·3 | — | 33 | 3 | 22 | 55·4 | * | 51·4 | * |
| Oxford. | 5·9 | − 0·5 | 37 | 2 | 26 | * | * | * | * |
| Sheffield. | 4·7 | — | 29 | 2 | 26 | 51·4 | −0·9 | 49·3 | +1·8 |
| Cheadle. | * | * | * | 0 | 31 | * | * | * | * |
| Shrewsbury. | * | * | * | 2 | 28 | * | * | * | * |
| Malvern.§ | 3·8 | — | 24 | 3 | 23 | 54·3 | * | 54·0 | * |
| Cirencester. | 4·2 | − 2·5 | 26 | 3 | 26 | 54·1 | * | 52·1 | * |
| Bath. | 5·2 | — | 33 | * | * | 56·7 | 0·0 | 53·5 | +0·7 |
| Canterbury. | * | * | * | 0 | 32 | 58·2 | +2·4 | 54·8 | +2·5 |
| Kew. | 5·5 | − 1·1 | 35 | 3 | 26 | 54·3 | −1·4 | 52·7 | +1·7 |
| Marlborough. | 4·9 | − 1·2 | 31 | 3 | 21 | * | * | 52·9 | * |
| Margate. | 9·3 | + 2·9 | 59 | 0 | 41 | 55·1 | −0·4 | 53·8 | +2·4 |
| Wisley. | 6·0 | — | 38 | 4 | 19 | 54·1 | −1·8 | 52·5 | +0·6 |
| Worthing. | 6·1 | — | 39 | 0 | 35 | 56·5 | −1·0 | 54·2 | +2·0 |
| Salisbury. | * | * | * | 2 | 29 | 58·2 | * | * | * |
| Tunbridge Wells | * | * | * | * | * | * | * | * | * |
| Littlestone. | 9·4 | — | 60 | * | * | * | * | * | * |
| Hastings. | 7·8 | + 0·1 | 50 | 0 | 35 | 56·5 | * | 54·0 | * |
| Southampton. | 5·2 | − 2·0 | 33 | 2 | 28 | * | * | * | * |
| Ventnor. | 6·2 | − 1·1 | 40 | * | * | * | * | * | * |
| Portsmouth. | 6·3 | — | 40 | 0 | 35 | 56·8 | −1·1 | 55·8 | +2·0 |
| Eastbourne. | 6·4 | − 1·0 | 41 | * | * | 56·5 | * | 54·8 | * |
| Bournemouth. | 5·4 | — | 34 | * | * | 56·2 | * | 55·0 | * |
| Brighton. | 6·6 | − 0·6 | 42 | 0 | 34 | * | * | 54·9 | * |
| Westminster. | 4·7 | − 0·8 | 30 | 0 | 35 | * | * | * | * |
| Greenwich. | 5·0 | − 1·1 | 32 | 3 | 24 | * | * | * | * |
| Hampstead. | 6·2 | — | 40 | 2 | 29 | * | * | * | * |
| Camden Square. | 5·0 | — | 32 | 0 | 33 | * | * | * | * |
| Burnley. | 4·0 | — | 25 | 4 | 24 | 50·5 | −2·5 | 49·0 | +1·6 |
| Hoylake. | 5·6 | — | 35 | * | * | * | * | * | * |
| Aspatria. | 6·7 | — | 41 | 1 | 26 | 52·8 | * | 49·7 | * |
| Newton Rigg. | 5·8 | − 0·7 | 36 | 4 | 19 | 53·1 | 0·0 | 49·9 | +1·7 |
| Stonyhurst. | 4·9 | − 1·5 | 30 | 5 | 21 | * | * | * | * |
| Blackpool. | 7·4 | + 0·8 | 46 | 2 | 26 | 52·9 | * | 50·6 | * |
| Whit. Park. | 2·9 | − 2·2 | 18 | * | * | * | * | * | * |
| Liverpool. | 6·0 | — | 38 | * | * | * | * | * | * |
| Southport. | 6·3 | − 0·7 | 39 | 2 | 28 | 55·5 | −1·5 | 54·6 | +1·7 |
| Manchester (City) | 2·9 | — | 18 | 1 | 29 | 52·5 | −1·2 | 52·8 | +3·1 |
| Llandudno. | 7·3 | + 0·5 | 46 | * | * | * | * | * | * |
| Holyhead. | 7·5 | — | 47 | * | * | * | * | * | * |
| Bettws-y-Coed. | 5·5 | — | 34 | 2 | 30 | 50·3 | −2·0 | 49·6 | +0·9 |
| Aberdovey. | 6·7 | — | 42 | * | * | * | * | * | * |

* For note see also opposite page. † At 3 ft. ‖ Hoar frost. § The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | 6·7 | — | 42 | | | | | | | |
| *a* Llangammarch Wells | 550 | 64 | 30th | 28 | 27th | 57·3 | 36·9 | 46·5 | - 4·3 | 53 | 14 | 2 | 0·18 | — | 4·0 | — | 25 | 4 | 21 | 51·1 | -2·0 | 50·5 | +1·8 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 61 | 30th | 40 | 26th | 55·6 | 44·7 | 49·8 | - 1·7 | 55 | 0 | 2 | 0·05 | - 0·36 | 7·3 | 0·0 | 46 | * | * | * | * | * | * | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 61 | 28, 30 | 39 | 26th | 57·0 | 43·1 | 49·6 | - 4·0 | 53 | 0 | 4 | 0·32 | - 0·23 | *4·3* | — | *27* | 1 | 30 | 55·1 | -0·9 | 53·8 | +2·9 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 63 | 28th | 38 | 26, 27 | 59·0 | 44·4 | 51·3 | - 2·7 | 65 | 0 | 3 | 0·12 | - 0·38 | *4·7* | — | *30* | 1 | 30 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 61 | 28th | 36 | 26, 27 | 56·6 | 41·9 | 48·8 | - 2·5 | 48 | 0 | 3 | 0·17 | - 0·31 | * | * | * | * | * | 55·3 | * | 53·8 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 64 | 30th | 37 | 26th | 57·6 | 41·1 | 48·9 | - 2·3 | 52 | 3 | 2 | 0·21 | - 0·42 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *59* | *28th* | *36* | *26th* | *56·0* | *45·7* | *50·5* | *- 2·2* | *60* | *0* | *2* | *0·15* | *- 0·17* | 7·6 | + 0·3 | 49 | 1 | 30 | 56·3 | * | 53·2 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 65 | 28th | 33 | 27th | 59·9 | 42·9 | 50·9 | - 2·2 | 62 | 0 | 4 | 0·38 | - 0·09 | 4·1 | - 2·6 | 26 | 0 | 31 | 57·8 | * | * | * | Cullompton. |
| *a* Portland .. .. | 19 | 59 | 27th | 40 | 27th | 57·0 | 45·6 | 51·0 | - 1·8 | 63 | 0 | 3 | 0·28 | — | *4·7* | — | *30* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 64 | 28th | 39 | 26th | 58·1 | 44·7 | 51·0 | - 3·0 | 63 | 0 | 4 | 0·31 | - 0·15 | 4·9 | - 2·4 | 31 | 1 | 30 | 57·2 | +0·4 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 64 | 28, 30 | 39 | 26th | 59·0 | 45·6 | 51·9 | - 1·1 | 69 | 0 | 1 | 0·07 | - 0·42 | 7·0 | - 0·8 | 45 | 0 | 33 | 58·5 | * | 56·7 | * | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. { *a* Malin Head .. .. | 208 | 60 | 28th | 40 | 24, 25 | 54·6 | 44·1 | 49·0 | - 1·2 | 49 | 0 | 3 | 0·17 | - 0·30 | * | * | * | * | * | * | * | * | * | |
| *a* Blacksod Point .. | 37 | 60 | 28th | 35 | 25th | 54·9 | 44·9 | 49·6 | - 2·1 | 53 | 0 | 2 | 0·16 | - 0·44 | * | * | * | * | * | * | * | * | * | |
| *p* Markree Castle .. | 122 | 67 | 28th | 28 | 25th | 59·3 | 40 1 | 49 1 | - 1 7 | 58 | 5 | 3 | 0·26 | - 0·34 | 4·7 | - 1·4 | 29 | 3 | 20 | 55·0 | * | 54·2 | * | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 67 | 28th | 29 | 25th | 58·6 | 40·9 | 49·2 | - 2·8 | 55 | 3 | 2 | 0·12 | - 0·38 | *4·2* | *- 1·8* | *26* | * | * | * | * | * | * | *Birr Castle.* |
| *b*, East .. { *p* Armagh .. .. | 196 | 67 | 28th | 30 | 25th | 58·9 | 41·7 | 49·8 | - 1·3 | 56 | 1 | 4 | 0·12 | - 0·46 | 5·1 | - 0·9 | 32 | 3 | 25 | 55·0 | +0·2 | 52·0 | +1·3 | Armagh. |
| *a* Donaghadee .. .. | 40 | 62 | 28th | 39 | 27th | 56·3 | 44·3 | 49·9 | - 1·1 | 55 | 0 | 2 | 0·39 | - 0·13 | * | * | * | ‡ | 29 | 54·9 | +0·3 | 52·9 | +1·6 | *Trinity Coll.* |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 5·0 | - 1·9 | 31 | 3 | 21 | * | * | * | * | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 67 | 28th | 36 | 25th | 58·3 | 44·3 | 50·9 | - 2·6 | 62 | 0 | 3 | 0·11 | - 0·36 | * | * | * | 0 | 34 | * | * | * | * | Dublin City. |
| *a*, East .. { *a* Kilkenny .. .. | 195 | 68 | 28th | 31 | 25th | 59·3 | 41·3 | 49 8 | - 2·2 | 58 | 2 | 2 | 0 06 | - 0·44 | * | * | * | * | * | * | * | * | * | * |
| *a* Waterford .. .. | 20 | 68 | 28th | 34 | 25th | 58·9 | 42·1 | 50·0 | - 2·7 | 56 | 0 | 1 | 0·02 | - 0·52 | * | * | * | * | * | * | * | * | * | * |
| *a Seskin, Carrick-on-Suir* | *541* | *66* | *28th* | *32* | *25th* | *57·0* | *42·4* | *49·3* | — | *51* | *0* | *2* | *0·03* | — | *5·1* | — | *32* | 4 | 23 | * | * | * | * | *Seskin.* |
| *a*, West .. { *a* Birr Castle .. .. | 175 | 67 | 28th | 29 | 25th | 58·6 | 40·9 | 49·2 | - 2·8 | 55 | 3 | 2 | 0·12 | - 0·38 | 4·2 | - 1·8 | 26 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes .. .. | 50 | 64 | 28th | 36 | 24th | 58·1 | 44·4 | 50·8 | - 2·3 | 62 | 0 | 4 | 0·33 | - 0·17 | * | * | * | * | * | * | * | * | * | * |
| *a* Cahir .. .. | 199 | 67 | 28th | 31 | 25th | 59·7 | 42·9 | 50·8 | - 1·7 | 62 | 0 | 2 | 0·02 | — | * | * | * | * | * | * | * | * | * | * |
| *a* Killarney .. .. | 174 | 70 | 28th | 34 | 25th | 61·1 | 45·0 | 52·6 | + 0·3 | 74 | 0 | 1 | 0·01 | - 0·66 | * | * | * | * | * | * | * | * | * | * |
| *a* Valencia .. .. | 30 | 62 | 28th | 38 | 25th | 55·7 | 45·9 | 50·5 | - 2·2 | 60 | 0 | 3 | 0·06 | - 0·62 | 3·1 | - 3·7 | 20 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. .. | 32 | 62 | 28th | 38 | 25th | 57·1 | 45·6 | 51·0 | - 1·7 | 63 | 0 | 0 | 0·00 | - 0·55 | 4·4 | — | 28 | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 61 | 28, 30 | 42 | 26th | 57·6 | 47·3 | 52·1 | - 1·3 | 71 | 0 | 1 | 0·20 | - 0·17 | 8·5 | + 0·7 | 55 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 64 | 30th | 46 | 26, 27 | 59·6 | 48·4 | 53·7 | - 0·9 | 82 | 0 | 1 | 0·04 | - 0·41 | 7·8 | - 0·3 | 51 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 61 | 27, 28 | 44 | 27th | 58·9 | 47·9 | 53·1 | - 0·7 | 78 | 0 | 3 | 0·09 | - 0·35 | 6·4 | - 2·0 | 42 | 0 | 33 | 58·4 | +1·4 | 56·2 | +3·1 | Guernsey.* |

Additional Sunshine Means:—*Bognor 6·4 hrs. 41 °/₀; Ramsgate. 10·4 hrs. 66 °/₀; Rhyl. 7·6 hrs. 48 °/₀; Salcombe, 4·6 hrs. 30 °/₀; Tenby, 7·7 hrs. (+0·3) 48 °/₀; Torquay, 4·7 hrs. (-2·8) 30 °/₀.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, May 30th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 48 | 47 | 47·3 | +0·4 |
| Kirkwall .. .. | 50 | 49 | 49·4 | -0·1 |
| Wick .. .. .. | 47 | 45 | 46·1 | -1 7 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 54 | 47 | 50·5 | +0·7 |
| Pennan Bay .. .. | 51 | 49 | 50·1 | 0·0 |
| Aberdeen, Cove Bay | 51 | 47 | 48·8 | +1·3 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 49 | 49 | 49·0 | -0·5 |
| Ballantrae .. .. | 53 | 49 | 50·9 | +0·8 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 47 | 42 | 45·3 | -1·1 |
| Scarborough .. .. | 50 | 46 | 48·0 | -0·2 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | — | — | — | — |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 57 | 54 | 55·3 | +0·7 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 52 | 50 | 50·7 | +1·4 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 56 | 55 | 55·4 | +1·3 |
| Scilly .. .. .. | 56 | 53 | 54·8 | — |
| Plymouth‡ .. .. | 55 | 54 | 54·5 | +2·0 |
| Salcombe .. .. | 58 | 52 | 54 9 | +2·6 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 54 | 50 | 52·0 | -0·4 |
| Teelin .. .. .. | 56 | 50 | 52·7 | -1·8 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 58 | 52 | 53·4 | +0·7 |
| Seafield .. .. | 56 | 49 | 53·4 | -1·2 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, May 30th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Aberdeen .. .. | 105 | — | — | — | — | 32 | 136 | N.W. 9 | 24th 8h. | 13 24th 7.40 |
| Rosyth .. .. | 73 | — | — | — | — | 31 | 137 | W. by S. 8 | 28th 23h. | 17 28th 23.15 |
| **6** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | — | — | 27 | 141 | SW. by S. 8 | 29th 6h. | 12 29th 5.30 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 6 | 162 | WSW. 7 | 29th 10h. | 14 28th 23.40 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | — | 168 | S.W. 5 | 29th 13h. | 8 29th 12.55 |
| South Shields .. | 61 | — | — | — | — | — | 168 | NE. 5 | 24th 16h. | 9 24th 20. 0 |
| Spurn Head .. | 40 | — | — | — | — | 40 | 128 | N. 8 | 24th 1h. | 11 24th 0.40 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 24, 26 | 23§ | 73§ | 58§ | — 12 | 26th 16h. | 17 26th 4.50 |
| Shoeburyness .. | 90 | — | — | — | — | 45 | 123 | ENE. 10 | 24th 15h. | 15 26th 10.25 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 24-27 | 26 | 63 | 79 | — 13 | 26th 17h. | 22 26th 9.25 |
| Warlingham .. | 33 | — | — | — | — | 1 | 167 | — 6 | 24th 18h. | 13 26th 12.30 |
| Brighton .. .. | 53 | — | — | — | — | 26 | 142 | — 7 | 27th 8h. | 13 27th 7 50 |
| Kew .. .. .. | 40 | — | — | — | — | 19 | 149 | WSW. 6 | 27th 11h. | 12 27th 9.40 |
| South Kensington | 92 | — | — | — | — | — | 168 | N. by E. 5 | 26th 9h. | 10 25th 13.55 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Southport .. .. | 62 | — | — | — | — | 69 | 99 | ENE. 10 | 24th 18h. | 16 24th 17.40 |
| Holyhead .. .. | 40 | — | — | — | — | 49 | 119 | — 10 | 24th 1h. | 15 24th 7.30 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | — | — | 24th | 8 | 61 | 99 | NNE. 13 | 24th 9h. | 17 24th 9.30 |
| Plymouth .. .. | 86 | — | — | — | — | 20 | 148 | — 8 | 24th 8h. | 13 24th 8.45 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 28th | 1§ | 69§ | 77§ | — 11 | 28th 19h. | 15 30th 0.35 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — — | — — — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | — | — | 35§ | 132§ | NNE. 9 | 24th 21h. | 13 24th 16.15 |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s) 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

**TWENTY-FIRST WEEK**—May 24th to May 30th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 64 | 26 | 54·3 | 39·8 | 46·6 | − 2·1 | 41 | − 11 | 6 | + 2 | 4 | 0 | 0·39 | −0·18 | 5·7 | +0·1 | 34 | 1021 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 71 | 21 | 58·2 | 39·6 | 48·4 | − 1·2 | 55 | − 4 | 7 | + 3 | 2 | − 1 | 0·20 | −0·31 | 6·0 | −0·2 | 36 | 1021 |
| 2. ENGLAND, N.E. ... .. | 64 | 28 | 55·3 | 40·4 | 47·4 | − 3·3 | 45 | − 17 | 4 | + 3 | 2 | − 1 | 0·06 | −0·34 | 5·8 | −0·6 | 36 | 1022 |
| 3. ENGLAND, EAST ... | 68 | 32 | 57·3 | 40·8 | 48·6 | − 4·1 | 51 | − 26 | 3 | + 2 | 1 | − 2 | 0·04 | −0·40 | 8·1 | +1·2 | 51 | 1021 |
| 4 MIDLAND COUNTIES ... | 66 | 28 | 57·6 | 40·3 | 48·4 | − 4·2 | 52 | − 25 | 5 | + 3 | 2 | − 1 | 0·19 | −0·33 | 4·8 | −1·3 | 30 | 1022 |
| 5. ENGLAND, S.E. ... ... | 67 | 27 | 58·6 | 42·4 | 50·0 | − 4·0 | 56 | − 29 | 0 | 0 | 2 | − 1 | 0·10 | −0·34 | 6·6 | −0·3 | 42 | 1021 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 67 | 30 | 57·2 | 41·0 | 48·6 | − 2·6 | 50 | − 17 | 3 | + 1 | 3 | − 1 | 0·28 | −0·36 | 7·0 | +0·3 | 43 | 1022 |
| 7. ENGLAND, N.W. ... ... | 63 | 29 | 56·1 | 42·5 | 48·9 | − 3·2 | 48 | − 24 | 0 | − 1 | 2 | − 1 | 0·15 | −0·37 | 6·3 | −0·3 | 39 | 1023 |
| 8. ENGLAND, S.W. ... ... | 65 | 28 | 57·7 | 43·1 | 50·0 | − 3·1 | 56 | − 23 | 0 | − 1 | 3 | 0 | 0·21 | −0·29 | 5·9 | −0·9 | 38 | 1023 |
| 9. IRELAND, NORTH ... | 67 | 26 | 57·1 | 42·7 | 49·4 | − 2·2 | 52 | − 16 | 0 | − 1 | 3 | − 1 | 0·20 | −0·34 | 4·9 | −1·5 | 30 | 1023 |
| 10. IRELAND, SOUTH ... | 70 | 29 | 58·5 | 43·6 | 50·6 | − 2·4 | 60 | − 17 | 0 | 0 | 2 | − 1 | 0·08 | −0·49 | 4·2 | −2·6 | 26 | 1024 |
| 11. ENGLISH CHANNEL ... | 64 | 42 | 58·7 | 47·9 | 53·0 | − 1·3 | 77 | − 9 | 0 | 0 | 2 | − 1 | 0·11 | −0·38 | 7·6 | −0·4 | 49 | 1023 |

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 13 Weeks, March 1st to May 30th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 72 | 22 | * | * | * | * | 373 | + 39 | 161 | − 98 | 62 | + 3 | 10·77 | +0·54 | 4·1 | −0·1 | 30 | 1008 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 75 | 16 | * | * | * | * | 500 | + 97 | 221 | − 60 | 49 | 0 | 6·95 | +0·65 | 5·0 | +0·4 | 37 | 1009 |
| 2. ENGLAND, N.E. ... ... | 75 | 25 | * | * | * | * | 575 | +166 | 126 | − 81 | 43 | − 2 | 4·26 | −0·75 | 5·4 | +0·4 | 40 | 1012 |
| 3. ENGLAND, EAST ... | 82 | 25 | * | * | * | * | 642 | +116 | 108 | −111 | 43 | − 1 | 5·44 | +0·60 | 5·9 | +0·8 | 44 | 1014 |
| 4. MIDLAND COUNTIES ... | 78 | 24 | * | * | * | * | 646 | +105 | 143 | − 89 | 46 | + 4 | 5·27 | −0·18 | 5·1 | +0·5 | 38 | 1014 |
| 5. ENGLAND, S.E. ... ... | 80 | 27 | * | * | * | * | 678 | +109 | 59 | − 92 | 46 | + 5 | 7·23 | +2·07 | 6·0 | +0·8 | 45 | 1014 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 71 | 25 | * | * | * | * | 482 | + 46 | 134 | − 58 | 55 | + 5 | 9·63 | +0·45 | 4·9 | +0·1 | 37 | 1011 |
| 7. ENGLAND, N.W. ... ... | 75 | 25 | * | * | * | * | 540 | + 81 | 90 | − 74 | 50 | + 5 | 6·58 | −0·09 | 5·1 | +0·3 | 38 | 1013 |
| 8. ENGLAND, S.W. ... ... | 74 | 24 | * | * | * | * | 651 | +109 | 51 | − 75 | 51 | + 7 | 10·21 | +2·91 | 5·9 | +0·7 | 44 | 1014 |
| 9. IRELAND, NORTH ... | 71 | 26 | * | * | * | * | 524 | + 51 | 112 | − 41 | 59 | + 5 | 8·47 | +0·94 | 4·9 | +0·3 | 36 | 1011 |
| 10. IRELAND, SOUTH ... | 75 | 26 | * | * | * | * | 649 | + 82 | 66 | − 47 | 55 | + 6 | 8·11 | −0·01 | 5·4 | +0·3 | 40 | 1013 |
| 11. ENGLISH CHANNEL ... | 77 | 35 | * | * | * | * | 796 | +168 | 6 | − 33 | 49 | + 2 | 8·01 | +1·89 | 6·3 | +0·1 | 48 | 1015 |

THE YEAR.—Aggregates, &c., for the Period of 21 Weeks, January 4th, 1914, to May 30th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 72 | 16 | * | * | * | * | 449 | + 61 | 391 | −162 | 102 | + 2 | 22·28 | +2·00 | 3·0 | −0·1 | 26 | 1006 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 75 | 15 | * | * | * | * | 587 | +123 | 492 | −125 | 83 | + 3 | 11·93 | +1·15 | 3·7 | +0·1 | 33 | 1008 |
| 2. ENGLAND, N.E. ... ... | 75 | 24 | * | * | * | * | 722 | +243 | 299 | −176 | 75 | + 1 | 6·95 | −1·10 | 4·0 | +0·2 | 35 | 1011 |
| 3. ENGLAND, EAST ... | 82 | 19 | * | * | * | * | 781 | +178 | 299 | −222 | 70 | − 3 | 8·57 | +0·71 | 4·5 | +0·5 | 39 | 1014 |
| 4. MIDLAND COUNTIES ... | 78 | 15 | * | * | * | * | 796 | +165 | 367 | −165 | 74 | + 3 | 8·23 | −0·98 | 3·8 | +0·2 | 33 | 1013 |
| 5. ENGLAND, S.E. ... ... | 80 | 10 | * | * | * | * | 832 | +160 | 240 | −141 | 74 | + 5 | 11·81 | +2·66 | 4·6 | +0·6 | 40 | 1014 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 71 | 18 | * | * | * | * | 593 | + 77 | 317 | −107 | 95 | + 9 | 18·69 | +1·48 | 3·4 | −0·2 | 30 | 1008 |
| 7. ENGLAND, N.W. ... ... | 75 | 22 | * | * | * | * | 701 | +159 | 227 | −159 | 82 | + 4 | 12·16 | +0·37 | 3·8 | +0·2 | 33 | 1012 |
| 8. ENGLAND, S.W. ... ... | 74 | 19 | * | * | * | * | 823 | +147 | 192 | −109 | 85 | + 8 | 16·67 | +3·07 | 4·3 | +0·3 | 37 | 1014 |
| 9. IRELAND, NORTH ... | 71 | 25 | * | * | * | * | 678 | + 95 | 246 | − 99 | 99 | + 7 | 15·99 | +2·58 | 3·5 | 0·0 | 30 | 1008 |
| 10. IRELAND, SOUTH ... | 75 | 24 | * | * | * | * | 842 | +110 | 174 | − 85 | 97 | +14 | 16·83 | +1·90 | 4·0 | +0·1 | 35 | 1011 |
| 11. ENGLISH CHANNEL ... | 77 | 25 | * | * | * | * | 999 | +175 | 72 | − 37 | 83 | − 1 | 13·38 | +1·96 | 4·8 | 0·0 | 42 | 1015 |

M.O., June 3, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 85

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 22. TWENTY-SECOND WEEK, SUNDAY, MAY 31ST, TO SATURDAY, JUNE 6TH, 1914.

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*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

At the beginning of the week the passage eastwards of a "V"-shaped depression across Scotland and the upper part of the North Sea was accompanied by Westerly to North-Westerly winds, reaching the force of a gale on some of the more exposed parts of our north and north-west coasts. A subsequent veering to the Northward was experienced, with a general fall of temperature, but towards the middle of the week, when a large anticyclone extended over the country from the Atlantic, the wind fell light, and the thermometer rose in most districts to about its average level for the time of year. Towards the close of the period the gradual extension of a well-marked depression from the Icelandic region was associated with a freshening current of air from West or North-West, the sky became very cloudy, and temperature showed a tendency to fall. A sharp ground frost occurred at some inland stations in North Britain on the night of May 31st, and again on the night of June 2nd.

## THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Deficient | Moderate | Moderate |
| | Rainfall ... | Moderate | Light | Very light | Light | Very light | Light | Light | Light | Light | Light | Light | Very light |
| | Sunshine ... | Moderate | Moderate | Scanty | Scanty | Scanty | Moderate | Moderate | Scanty | Scanty | Very scanty | Very scanty | Moderate |

## THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 1 week from May 31st, 1914. | Warmth ... | 0·0 | 0·0 | 0·0 | 0·0 | 0·0 | 0·0 | 0·0 | 0·0 | 0·0 | 0·1 | 0·0 | 0·0 |
| | Rainfall ... | 0·0 | 0·1 | 0·1 | 0·1 | 0·1 | 0·1 | 0·1 | 0·1 | 0·1 | 0·1 | 0·1 | 0·1 |
| | Sunshine ... | 0·0 | 0·0 | 0·1 | 0·1 | 0·1 | 0·0 | 0·0 | 0·1 | 0·1 | 0·1 | 0·1 | 0·0 |

## PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4·3 | 2·4 | 3·5 | 3·5 | 3·5 | 2·6 | 3·4 | 3·5 | 5·5 | 3·5 | 4·4 | 1·6 |
| | Rainfall ... | 2·8 | 1·9 | 0·10 | 1·5 | 0·9 | 1·9 | 2·7 | 3·8 | 1·11 | 1·8 | 2·9 | 1·5 |
| | Sunshine ... | 4·5 | 4·4 | 4·7 | 2·7 | 2·8 | 1·7 | 5·5 | 6·5 | 3·4 | 6·6 | 5·4 | 3·9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6·0 | 8·0 | 8·0 | 10·0 | 11·0 | 11·0 | 6·0 | 9·0 | 9·0 | 8·0 | 9·2 | 11·0 |
| | Rainfall ... | 4·4 | 2·4 | 4·6 | 5·6 | 5·4 | 5·5 | 2·4 | 4·6 | 3·5 | 3·2 | 7·1 | 4·3 |
| | Sunshine ... | 5·4 | 5·6 | 6·3 | 4·1 | 4·3 | 5·2 | 1·4 | 6·3 | 4·6 | 2·5 | 2·6 | 2·4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6·3 | 7·2 | 7·2 | 9·3 | 7·4 | 7·4 | 4·2 | 8·3 | 7·4 | 7·2 | 7·4 | 6·4 |
| | Rainfall ... | 5·2 | 5·4 | 1·7 | 3·9 | 2·8 | 3·5 | 5·4 | 5·6 | 3·5 | 5·5 | 4·6 | 5·7 |
| | Sunshine ... | 3·1 | 2·2 | 1·2 | 3·4 | 2·6 | 4·4 | 2·6 | 2·0 | 3·5 | 1·9 | 1·7 | 2·5 |
| SPRING, 1914. Mar. 1st.–May 30th. 13 weeks. | Warmth ... | 3·1 | 6·0 | 8·1 | 8·2 | 6·1 | 7·1 | 5·3 | 5·1 | 8·1 | 6·3 | 6·2 | 9·1 |
| | Rainfall ... | 5·2 | 5·5 | 4·6 | 4·5 | 4·5 | 5·4 | 6·4 | 4·5 | 7·6 | 5·5 | 4·6 | 6·5 |
| | Sunshine ... | 4·4 | 4·2 | 3·2 | 6·5 | 4·5 | 4·1 | 4·2 | 4·2 | 4·2 | 4·4 | 4·4 | 4·4 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(1494—19.) Wt. 229—611. 450. 6/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts | Lowest Reading. | Earth 1 ft. Mean | Difference from Average. | Earth 4 ft. Mean. | Difference from Average. | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | 31 | 54 | 4th | 40 | 1, 2 | 50·8 | 41·1 | 45·6 | — | 29 | 3 | 5 | 0·19 | — | 2·8 | — | 16 | | | 48·3 | | | | *Baltasound.* |
| *a* Islands .. *a* Lerwick .. | 54 | 54 | 3rd | 41 | 1, 2 | 51·0 | 42·1 | 46·2 | − 0·5 | 29 | 0 | 3 | 0·12 | — | 5·1 | − 0·4 | 29 | | | | | | | Deerness. |
| *a* Stornoway | 51 | 57 | 2, 3 | 42 | 1st | 54·0 | 45·4 | 49·4 | + 0·4 | 52 | 0 | 4 | 0·63 | + 0·08 | 3·9 | − 2·3 | 23 | | | | | | | Stornoway. |
| *a Castlebay, Barra Isd.* .. | 37 | 55 | 5th | 45 | 1st | 53·4 | 47·4 | 50·2 | + 0·5 | 57 | 0 | 4 | 0·17 | — | 3·3 | — | 19 | | | | | | | *Castlebay.* |
| *a* Wick | 81 | 59 | 3rd | 37 | 3rd | 54·7 | 43·0 | 48·4 | − 0·7 | 45 | 0 | 4 | 0·29 | − 0·13 | | | | | | | | | | |
| *b*, Main- *p* Strathpeffer | 200 | 64 | 3rd | 41 | 2nd | 58·9 | 43·4 | 50·6 | + 0·1 | 60 | 0 | 3 | 0·26 | − 0·17 | 5·5 | 0·0 | 32 | | | | | | | Strathpeffer. |
| land. *p* Glencarron | 500 | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Fort Augustus | 68 | 69 | 3rd | 38 | 3rd | 59·3 | 45·0 | 51·7 | + 1·2 | 68 | 0 | 2 | 0·23 | − 0·25 | 4·5 | 0·0 | 27 | | | | | | | Fort Augustus. |
| *p* Fort William | 175 | 69 | 3rd | 43 | 1, 3 | 60·4 | 45·7 | 52·5 | + 0·9 | 74 | 0 | 4 | 0·25 | − 0·57 | | | | | | | | | | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle | 101 | 68 | 3rd | 35 | 3rd | 57·4 | 42·1 | 49·2 | − 1·8 | 50 | 0 | 5 | 0·48 | + 0·01 | | | | 4·6 | — | 27 | 2 | 28 | 53·2 | +0·3 | 49·6 | +0·9 | Crathes S. |
| *a* Nairn | 82 | 69 | 3rd | 36 | 3rd | 58·6 | 43·7 | 50·6 | − 0·6 | 60 | 0 | 2 | 0·47 | + 0·07 | 4·9 | — | 29 | 4·6 | — | 27 | | | | *Gordon Castle.* |
| *a* Aberdeen | 46 | 63 | 3rd | 38 | 3rd | 58·7 | 45·0 | 51·4 | + 1·1 | 66 | 0 | 4 | 0·17 | − 0·28 | 4·8 | − 1·4 | 28 | | | | | | | Nairn. |
| *a* Balmoral | 930 | 73 | 3rd | 33 | 3rd | 66·9 | 40·7 | 52·9 | + 4·2 | 82 | 4 | 1 | 0·02 | − 0·53 | | | | | | | | | | Aberdeen. |
| *p* Crieff | 432 | 78 | 3rd | 39 | 1st | 65·1 | 45·1 | 54·4 | + 1·8 | 87 | 0 | 1 | 0·01 | − 0·59 | | | | 0 | 31 | | | | | Balmoral. |
| *a* Leith | 18 | 70 | 3rd | 41 | 1st | 61·9 | 46·6 | 53·7 | + 1·4 | 82 | 0 | 1 | 0·04 | − 0·37 | | | | | | | | | | Balruddery. |
| *a* West Linton | 800 | 65 | 3rd | 32 | 1st | 59·6 | 41·3 | 49·8 | + 0·5 | 58 | 2 | 4 | 0·14 | — | 5·4 | — | 32 | 2 | 24 | | | | | *West Linton.* |
| *p* Marchmont | 498 | 70 | 3rd | 37 | 1, 2 | 60·4 | 41·9 | 50·5 | + 0·5 | 60 | 0 | 1 | 0·10 | − 0·44 | 5·7 | − 0·2 | 34 | 0 | 33 | 53·0 | − 0·4 | | | Marchmont. |
| *a Edinburgh* | 441 | 67 | 3rd | 40 | 1st | 60·1 | 46·1 | 52·6 | — | 74 | 0 | 3 | 0·04 | — | 6·6 | — | 39 | 0 | 33 | | | | | Edinburgh. |
| **6.** *a*, SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 61 | 2nd | 43 | 1, 2 | 57·0 | 45·7 | 51·0 | − 1·4 | 63 | 0 | 5 | 0·33 | − 0·31 | | | | | | | | | | |
| *p* Glasgow Observatory | 189 | 66 | 3rd | 42 | 1st | 60·4 | 46·7 | 53·1 | + 0·9 | 78 | 0 | 2 | 0·03 | − 0·54 | 5·7 | + 0·3 | 34 | 0 | 31 | | | | | Glasgow. |
| *p* Rothesay | 90 | 65 | 2nd | 42 | 1, 2 | 59·0 | 44·9 | 51·5 | − 0·9 | 67 | 0 | 2 | 0·10 | − 0·56 | 7·0 | — | 41 | 0 | 37 | 54·7 | | 50·9 | +0·7 | *Rothesay.* |
| *a* Kilmarnock | 90 | 65 | 4th | 35 | 1st | 60·1 | 42·9 | 50·9 | − 1·5 | 62 | 0 | 2 | 0·05 | — | 5·7 | — | 34 | | | | | | | *Kilmarnock.* |
| *a* Colmonell | 150 | 62 | 4th | 40 | 31, 1 | 58·4 | 45·0 | 51·2 | − 1·4 | 64 | 0 | 3 | 0·19 | − 0·38 | | | | 0 | 34 | | | | | |
| *p* Dumfries | 160 | 68 | 3rd | 38 | 1st | 63·1 | 45·6 | 53·7 | + 0·4 | 82 | 0 | 2 | 0·02 | − 0·54 | 6·2 | — | 37 | 1 | 29 | 54·6 | | 52·4 | | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 72 | 4th | 35 | 1st | 63·6 | 43·1 | 52·6 | + 0·3 | 74 | 0 | 2 | 0·16 | − 0·53 | | | | | | | | | | |
| *b*, I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p*, Douglas | 277 | 60 | 2, 3 | 43 | 1st | 57·6 | 46·0 | 51·4 | − 0·5 | 66 | 0 | 3 | 0·14 | − 0·44 | 5·9 | − 1·4 | 36 | 0 | 38 | | | | | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 67 | 6th | 38 | 1, 3 | 61·3 | 44·4 | 52·3 | + 1·8 | 72 | 0 | 5 | 0·12 | − 0·35 | 4·9 | — | 29 | 0 | 32 | 53·6 | −0·5 | 50·4 | +0·6 | Cockle Park |
| *a* Shields | 96 | 65 | 6th | 42 | 1, 3 | 60·0 | 45·4 | 52·2 | + 1·3 | 71 | 0 | 2 | 0·07 | − 0·33 | | | | | | | | | | |
| *p* Durham | 336 | 73 | 3rd | 35 | 3rd | 62·6 | 41·7 | 51·4 | + 0·1 | 67 | 1 | 2 | 0·04 | − 0·38 | 4·1 | − 1·5 | 25 | 1 | 30 | | | | | Durham. |
| *a*, North .. *p* Rounton | 249 | 71 | 3rd | 33 | 3rd | 60·7 | 42·3 | 50·9 | + 0·5 | 62 | 0 | 4 | 0·07 | − 0·38 | | | | 1 | 29 | 53·7 | | | | Rounton. |
| *a West Witton* | 605 | 70 | 3rd | 35 | 3rd | 61·0 | 43·4 | 51·6 | — | 67 | 0 | 3 | 0·08 | — | | | | 1 | 30 | 52·6 | | 48·9 | | *West Witton.* |
| *p* Scarborough | 100 | 61 | 31, 1 | 43 | 1, 3 | 57·9 | 47·6 | 52·4 | + 0·6 | 73 | 0 | 1 | 0·01 | − 0·42 | 4·6 | — | 28 | | | | | 52·1† | | Scarborough. |
| *p* York | 56 | 71 | 3rd | 39 | 3rd | 61·6 | 46·4 | 53·5 | − 0·1 | 81 | 0 | 2 | 0·02 | − 0·44 | 4·4 | − 1·4 | 27 | | | 53·3 | −0·8 | 50·9 | +0·9 | York. |
| *a* Spurn Head | 26 | 64 | 1st | 43 | 2nd | 60·6 | 46·7 | 53·2 | + 0·9 | 78 | 0 | 0 | 0·00 | − 0·34 | 2·4 | — | 15 | 0 | 32 | 53·3 | −1·4 | 50·0 | +0·8 | *Hull.* |
| *b*, South .. *a* Lincoln | 58 | 68 | 3rd | 38 | 3rd | 61·9 | 46·6 | 53·7 | − 0·8 | 82 | 0 | 1 | 0·02 | − 0·41 | 5·0 | — | 31 | | | | | | | *Spurn Head.* |
| *a* Fulbeck | 180 | 68 | 3rd | 33 | 3rd | 62·3 | 44·4 | 52·7 | − 0·8 | 75 | 0 | 2 | 0·07 | − 0·37 | | | | | | 55·2 | −0·7 | 51·7 | +1·1 | Lincoln. |
| | | | | | | | | | | | | | | | 4·6 | — | 28 | 1 | 29 | 57·4 | −2·2 | 52·4 | +0·4 | Rauceby. |
| | | | | | | | | | | | | | | | 5·8 | — | 36 | | | | | | | Skegness. |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | 6·4 | — | 40 | 0 | 39 | 57·6 | −0·3 | 54·2 | +1·4 | *Lowestoft.* |
| *p* Cromer | 196 | 64 | 31st | 46 | 2, 3 | 58·4 | 46·9 | 52·3 | − 0·2 | 72 | 0 | 3 | 0·04 | — | 4·7 | — | 29 | | | | | | | Cromer. |
| *p* Little Massingham | 280 | 64 | 3rd | 41 | 1, 3 | 61·7 | 44·6 | 52·6 | − 0·8 | 74 | 0 | 3 | 0·08 | − 0·37 | 5·1 | − 1·6 | 31 | 0 | 35 | | | | | Lit. Massingham |
| *a*, North .. *a* Yarmouth | 17 | 67 | 4th | 45 | 2, 5 | 60·0 | 47·4 | 53·3 | + 0·7 | 79 | 0 | 2 | 0·16 | − 0·23 | 6·2 | — | 39 | | | 58·6 | −1·8 | 55·0 | +0·1 | Yarmouth. |
| *a* Norwich | 93 | 67 | 31st | 44 | 3, 5, 6 | 62·7 | 45·4 | 53·5 | + 0·5 | 81 | 0 | 3 | 0·13 | — | 5·7 | — | 35 | 0 | 39 | 56·6 | | | | *Norwich.* |
| *a* Geldeston | 37 | 69 | 4th | 42 | 5th | 63·3 | 44·4 | 53·2 | + 0·2 | 78 | 0 | 2 | 0·14 | − 0·27 | 5·8 | − 1·3 | 36 | | | | | | | Geldeston. |
| *p* Cambridge | 41 | 67 | 4th | 42 | 1, 3, 4 | 62·9 | 44·6 | 53·1 | − 1·1 | 78 | 0 | 3 | 0·21 | − 0·25 | 5·6 | − 1·1 | 35 | 0 | 35 | 57·3 | −0·1 | 53·8 | +0·4 | Cambridge. |
| *a Felixstowe* | 10 | 71 | 4th | 42 | 3, 6 | 63·6 | 45·7 | 54·0 | + 0·4 | 84 | 0 | 3 | 0·22 | — | 7·2 | — | 45 | | | | | | | *Felixstowe.* |
| *b*, South .. *a* Clacton-on-Sea | 54 | 70 | 4th | 43 | 3, 5, 6 | 62·7 | 46·0 | 53·8 | + 0·6 | 83 | 0 | 2 | 0·39 | — | 6·1 | — | 38 | 0 | 37 | 56·0 | −1·0 | 53·9 | 0·0 | Clacton. |
| *a* Rothamsted | 424 | 68 | 4th | 42 | 1st | 63·0 | 44·3 | 53·0 | − 0·3 | 77 | 0 | 3 | 0·23 | − 0·22 | 5·7 | − 0·8 | 35 | | | | | | | Rothamsted. |
| *a Shoeburyness* | 13 | 70 | 4th | 44 | 3-5 | 63·4 | 46·1 | 54·2 | − 1·5 | 85 | 0 | 2 | 0·44 | + 0·14 | 6·8 | — | 43 | 0 | 41 | 59·0 | −0·6 | | | *Southend.* |
| *p* Tottenham | 51 | 69 | 4th | 44 | 1st | 64·0 | 48·3 | 55·6 | + 1·0 | 95 | 0 | 2 | 0·31 | — | 6·3 | — | 39 | 0 | 41 | | | 55·1 | +1·4 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | 3·6 | — | 22 | 0 | 32 | 53·4 | −2·1 | 49·3 | +0·8 | *Huddersfield.* |
| *a* Harrogate | 476 | 70 | 3rd | 38 | 1, 3 | 60·3 | 43·9 | 51·5 | + 0·1 | 67 | 0 | 2 | 0·04 | − 0·46 | 3·9 | — | 24 | 0 | 32 | 52·4 | +0·6 | 51·1 | +1·6 | Harrogate. |
| *a* Bawtry | 65 | 69 | 3rd | 35 | 3rd | 62·0 | 45·9 | 53·4 | − 0·4 | 80 | 0 | 1 | 0·02 | − 0·40 | 3·0 | − 2·5 | 18 | 2 | 28 | 54·0 | | 51·8 | | Worksop. |
| *p Buxton* | 987 | | | | | | | | | | | | | | | | | | | | | | | *Buxton.* |
| *a*, East .. *a* Nottingham | 82 | 69 | 3rd | 37 | 3rd | 61·1 | 45·7 | 52·9 | − 0·9 | 76 | 0 | 2 | 0·16 | − 0·27 | 3·7 | — | 23 | 0 | 35 | 55·6 | −0·7 | 51·7 | +0·4 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 67 | 3rd | 43 | 31, 1 | 61·0 | 46·7 | 53·4 | 0·0 | 80 | 0 | 4 | 0·12 | − 0·38 | 4·2 | — | 26 | 0 | 32 | 51·0 | −0·9 | 49·0 | +0·9 | Birmingham. |
| *a* Raunds | 203 | 68 | 31, 3, 4 | 38 | 1st | 64·6 | 44·0 | 53·6 | 0·0 | 81 | 0 | 2 | 0·14 | — | 5·0 | — | 31 | 1 | 28 | 56·6 | | 52·2 | | *Raunds.* |
| *p* Oxford | 208 | 70 | 4th | 42 | 1st | 64·3 | 47·7 | 55 4 | + 1·0 | 94 | 0 | 3 | 0·21 | − 0·22 | 6·1 | − 0·4 | 38 | 0 | 39 | | | | | Oxford. |
| | | | | | | | | | | | | | | | 3·7 | — | 23 | 0 | 33 | 52·9 | −0·7 | 49·7 | +1·1 | Sheffield. |
| *a* Cheadle | 646 | 71 | 3rd | 40 | 3rd | 61·0 | 45·9 | 52·9 | + 1·0 | 76 | 0 | 2 | 0·13 | − 0·39 | | | | 0 | 36 | | | | | Cheadle. |
| *b*, West .. *p* Shrewsbury | 191 | 72 | 3rd | 44 | 1st | 63·6 | 47·3 | 54·9 | + 0·7 | 90 | 0 | 1 | 0·04 | — | | | | 0 | 40 | | | | | Shrewsbury. |
| *a* Hereford§ | 291 | 70 | 3rd | 40 | 1st | 65·9 | 46·7 | 55·6 | + 1·2 | 95 | 0 | 1 | 0·04 | − 0·44 | 5·2 | — | 32 | 0 | 31 | 57·3 | | 54·2 | | *Malvern.*§ |
| *a* Cirencester | 446 | 69 | 3rd | 45 | 1st | 63·9 | 50·6 | 56·8 | + 3·6 | 104 | 0 | 0 | 0·00 | − 0·50 | 4·6 | − 2·2 | 29 | 0 | 36 | 55·8 | | 52·4 | | Cirencester. |
| *a* Bath | 66 | 69 | 3, 4 | 43 | 1st | 65·7 | 48·1 | 56·3 | + 1·8 | 100 | 0 | 3 | 0·09 | − 0·39 | 4·5 | — | 28 | | | | | | | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Kew | 18 | 68 | 4th | 45 | 1st | 63·4 | 48·3 | 55·3 | + 0·2 | 93 | 0 | 3 | 0·43 | 0·00 | 6·6 | 0·3 | 41 | 0 | 39 | 60·8 | +3·5 | 55·4 | +1·8 | Canterbury. |
| *a* Marlborough | 424 | 70 | 4th | 39 | 1, 4 | 65·3 | 41·4 | 52·5 | − 0·2 | 76 | 2 | 1 | 0·02 | − 0·45 | 5·4 | − 0·7 | 34 | 0 | 38 | 57·2 | 0·0 | 53·0 | +0·8 | Kew. |
| *a* Margate | 35 | 66 | 31, 4 | 46 | 2, 3, 5 | 60·9 | 47·3 | 53·6 | − 0·5 | 81 | 0 | 2 | 0·62 | + 0·25 | 6·4 | 0·0 | 40 | 0 | 32 | 57·9 | | 53·3 | | Marlborough. |
| *a* Wisley, Surrey | 150 | 70 | 4th | 43 | 1, 4, 5 | 64·4 | 45·7 | 54·4 | − 0·9 | 87 | 0 | 3 | 0·34 | — | 6·5 | — | 41 | 0 | 44 | 57·5 | +0·2 | 54·1 | +1·2 | Margate. |
| | | | | | | | | | | | | | | | 6·4 | — | 41 | 0 | 34 | 57·4 | 0·0 | 53·0 | −0·2 | Wisley. |
| *p* Salisbury (Wilton) | 180 | 73 | 4th | 40 | 1st | 66·4 | 45·9 | 55·4 | + 0·2 | 94 | 0 | 2 | 0·02 | − 0·44 | 7·0 | — | 44 | 0 | 41 | 59·1 | −0·3 | 54·6 | +1·1 | Worthing. |
| *a* Tunbridge Wells | 418 | | | | | | | | | | | | | | | | | 0 | 37 | 59·7 | | | | Salisbury. |
| *a* Dungeness | 21 | 65 | 31st | 43 | 4, 5 | 60·1 | 47·6 | 53·4 | − 0·5 | 80 | 0 | 1 | 0·32 | − 0·06 | 6·7 | — | 42 | | | | | | | Tunbridge Wells. |
| *p* Hastings | 178 | 66 | 31st | 45 | 5th | 61·6 | 48·7 | 54·7 | + 0·3 | 89 | 0 | 2 | 0·31 | − 0·06 | 6·5 | − 1·3 | 41 | 0 | 42 | 59·3 | | 54·6 | | Littlestone. |
| *p* Southampton | 65 | 74 | 4th | 44 | 1st | 66·0 | 48·6 | 56·7 | + 0·5 | 103 | 0 | 3 | 0·07 | − 0·37 | 5·8 | − 1·4 | 36 | 0 | 39 | | | | | *Hastings.* |
| *a* Ventnor | 80 | 69 | 4th | 45 | 1st | 64·0 | 49·7 | 56·4 | + 1·3 | 101 | 0 | 2 | 0·04 | − 0·36 | 6·5 | − 0·7 | 41 | | | | | | | Southampton. |
| | | | | | | | | | | | | | | | 6·6 | — | 41 | 0 | 37 | 60·3 | +0·9 | 56·2 | +1·1 | Ventnor. |
| | | | | | | | | | | | | | | | 5·9 | − 1·5 | 37 | | | 58·6 | | 55·1 | | *Portsmouth.* |
| LONDON. | | | | | | | | | | | | | | | 5·9 | — | 37 | | | 57·6 | | 55·3 | | Eastbourne. |
| *a Westminster* | 27 | 71 | 4th | 46 | 1st | 64·4 | 49·0 | 56·2 | + 0·9 | 99 | 0 | 3 | 0·33 | − 0·08 | 6·8 | − 0·5 | 43 | 0 | 41 | | | 55·2 | | *Bournemouth.* |
| *a Greenwich* | 155 | 73 | 4th | 45 | 1st | 66·0 | 47·3 | 56·0 | + 0·4 | 98 | 0 | 3 | 0·44 | + 0·01 | 6·6 | + 1·0 | 41 | 0 | 43 | | | | | *Brighton.* |
| *a Hampstead* | 450 | 69 | 4th | 42 | 1st | 62·5 | 46·3 | 53·8 | — | 83 | 0 | 3 | 0·39 | — | 6·8 | + 0·5 | 43 | 0 | 37 | | | | | *Westminster.* |
| *a Camden Square* | 110 | 74 | 4th | 45 | 1st | 67·7 | 47·9 | 57·1 | — | 106 | 0 | 3 | 0·37 | — | 6·5 | — | 41 | 0 | 38 | | | | | *Greenwich.* |
| | | | | | | | | | | | | | | | 5·7 | — | 36 | 0 | 43 | | | | | *Hampstead.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | 3·7 | — | 23 | 1 | 29 | 52·7 | −2·1 | 49·4 | +0·2 | *Camden Square.* |
| *p* Aspatria | 250 | 67 | 4th | 38 | 1st | 61·9 | 44·1 | 52·4 | + 0·6 | 73 | 0 | 1 | 0·03 | − 0·52 | 3 8 | — | 23 | | | | | | | *Burnley.* |
| *p* Newton Rigg | 559 | 67 | 3, 4 | 36 | 1, 3 | 61·1 | 41·3 | 50·5 | − 0·9 | 62 | 2 | 2 | 0·33 | − 0·21 | 5·9 | — | 36 | 0 | 31 | 54·5 | | 50·1 | | Hoylake. |
| *p* Stonyhurst | 375 | 66 | 3rd | 39 | 1st | 59·6 | 44·6 | 51·6 | − 1·1 | 67 | 0 | 5 | 0·38 | − 0·25 | 4·8 | − 1·8 | 29 | 3 | 26 | 54·3 | −0·4 | 51·4 | +2·0 | Aspatria. |
| *p* Blackpool | 66 | 62 | 3rd | 44 | 1, 3 | 58·3 | 48·0 | 52·8 | − 0·3 | 76 | 0 | 3 | 0·10 | − 0·39 | 4·2 | − 2·2 | 26 | 2 | 28 | | | | | Newton Rigg. |
| *p* Manchester (Whit. Pk.) | 125 | 70 | 3rd | 42 | 1, 3 | 60·0 | 47·3 | 53·2 | − 1·3 | 78 | 0 | 0 | 0·00 | − 0·47 | 5·8 | − 0·8 | 35 | 0 | 37 | 53·8 | | 50·9 | | Stonyhurst. |
| *a* Liverpool (Bidston) | 188 | 67 | 3rd | 47 | 31, 1 | 58·0 | 48·4 | 52·9 | − 0·4 | 76 | 0 | 3 | 0·09 | − 0·37 | 3·4 | − 1·8 | 21 | | | | | | | Blackpool. |
| *a Hawarden Bridge* | 22 | 69 | 3rd | 46 | 31st | 60·4 | 48·7 | 54·1 | − 0·3 | 85 | 0 | 3 | 0·16 | − 0·27 | 4·2 | — | 26 | | | | | | | *Whit. Park.* |
| | | | | | | | | | | | | | | | 4·7 | − 2·4 | 29 | 0 | 34 | 56·6 | −2·0 | 54·6 | +0·3 | *Liverpool.* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | 3·0 | — | 18 | 0 | 34 | 54·6 | −1·0 | 53·6 | +2·4 | *Southport.* |
| *p* Llandudno | 71 | 65 | 3rd | 46 | 1st | 59·1 | 49·6 | 54·0 | + 0·4 | 84 | 0 | 2 | 0·13 | − 0·30 | 3·6 | − 3·2 | 22 | | | | | | | *Manchester (City)* |
| *a* Holyhead | 57 | 59 | 6th | 47 | 31st | 57·4 | 48·9 | 52·9 | + 0·2 | 76 | 0 | 2 | 0·25 | − 0·20 | 5·1 | — | 31 | | | | | | | Llandudno. |
| *Bettws-y-Coed* | 101 | 68 | 3rd | 39 | 31, 1 | 60·9 | 46·6 | 53·3 | + 0·4 | 79 | 0 | 3 | 0·11 | — | 2·6 | — | 16 | 0 | 37 | 51·7 | −2·3 | 49·6 | −0·2 | *Holyhead.* |
| | | | | | | | | | | | | | | | 4·6 | — | 29 | | | | | | | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | | | | | | | | | | Aberdovey. |

* For note see also opposite page. † At 3 ft. ‖ Hoar frost. § The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average. | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | • | in. | in | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 4·2 | — | 26 | • | • | • | • | • | • | |
| *a* Llangammarch Wells | 550 | 67 | 4th | 34 | 1st | 61·7 | 44·0 | 52·2 | + 0·2 | 71 | 0 | 2 | 0·18 | — | 4·0 | — | 25 | 1 | 28 | 53·5 | -1·0 | 50·7 | +1·1 | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 262 | 5th | 44 | 2nd | 58·3 | 48·1 | 52·8 | + 0·1 | 76 | 0 | 3 | 0·37 | - 0·06 | 5·2 | - 2·1 | 32 | • | • | • | • | • | • | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 69 | 4th | 43 | 1st | 64·3 | 49·0 | 56·1 | + 1·0 | 99 | 0 | 1 | 0·23 | - 0·32 | *6·3* | — | *39* | 0 | 36 | 58·1 | +0·5 | 53·8 | +1·4 | Pembroke. |
| | | | | | | | | | | | | | | | | | | | | | | | | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 69 | 4th | 45 | 1st | 65·1 | 50·4 | 57·2 | + 2·0 | 106 | 0 | 1 | 0·02 | - 0·48 | *5·5* | — | *34* | 0 | 40 | • | • | • | • | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 71 | 4th | 40 | 1st | 63·1 | 46·7 | 54·3 | + 2·2 | 86 | 0 | 1 | 0·01 | - 0·49 | • | • | • | • | • | 56·6 | • | 53·8 | • | Shaftesbury. |
| *a* Arlington .. .. | 613 | 63 | 6th | 41 | 1st | 59·9 | 47·1 | 53·1 | + 0·7 | 78 | 0 | 3 | 0·42 | - 0·23 | • | • | • | • | • | • | • | • | • | Arlington. |
| *a Newquay* .. .. | *190* | *60* | *2nd* | *50* | *1, 2* | *58·0* | *51·6* | *54·6* | *+ 0·5* | *88* | *0* | *3* | *0·29* | *- 0·04* | 5·9 | - 1·4 | 37 | 0 | 46 | 57·6 | • | 53·9 | • | Newquay. |
| *a* Cullompton .. .. | 202 | 71 | 4th | 42 | 1st | 65·7 | 48·0 | 56·2 | + 1·8 | 99 | 0 | 2 | 0·11 | - 0·39 | 6·0 | - 0·7 | 38 | 0 | 36 | 58·3 | • | • | • | Cullompton. |
| *a* Portland .. .. | 19 | 68 | 4th | 45 | 1st | 61·0 | 50·4 | 55·3 | + 1·3 | 93 | 0 | 1 | 0·04 | — | *5·7* | — | *36* | • | • | • | • | • | • | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 67 | 6th | 45 | 1st | 63·0 | 51·3 | 56·7 | + 1·4 | 103 | 0 | 2 | 0·17 | - 0·30 | 7·1 | - 0·2 | 45 | 0 | 41 | 60·5 | +1·9 | • | • | Plymouth. |
| *a* Falmouth .. .. | 167 | 66 | 4th | 47 | 1st | 62·4 | 50·9 | 56·3 | + 2·2 | 100 | 0 | 2 | 0·10 | - 0·42 | 6·7 | - 1·1 | 42 | 0 | 41 | 60·4 | • | 56·9 | • | Falmouth. |
| **9.** IRELAND. N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. { *a* Malin Head .. .. | 208 | 55 | 5th | 47 | 1-3 | 52·3 | 48·0 | 50·0 | - 1·3 | 56 | 0 | 3 | 0·24 | - 0·23 | • | • | • | • | • | • | • | • | • | |
| *a* Blacksod Point .. | 37 | 56 | 5th | 46 | 2nd | 54·4 | 47·4 | 50·7 | - 2·0 | 61 | 0 | 2 | 0·20 | - 0·40 | • | • | • | • | • | • | • | • | • | |
| *p* Markree Castle .. | 122 | 58 | 4th | 45 | 1-3 | 55·6 | 48·7 | 50·8 | - 1·1 | 62 | 0 | 3 | 0·34 | - 0·28 | 2·0 | - 3·9 | 12 | 0 | 38 | 54·9 | • | 51·9 | • | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 65 | 4, 5 | 43 | 1st | 60·9 | 46·4 | 53·2 | + 0·1 | 78 | 0 | 2 | 0·09 | - 0·42 | *1·6* | *- 4·3* | *10* | • | • | • | • | • | • | *Birr Castle.* |
| *b*, East .. { *p* Armagh .. .. | 196 | 67 | 5th | 41 | 5th | 60·7 | 45·0 | 52·3 | + 0·4 | 72 | 0 | 2 | 0·14 | - 0·43 | 3·3 | - 2·6 | *20* | 0 | 32 | 55·8 | -0·3 | 52·5 | +0·7 | Armagh. |
| *a* Donaghadee .. .. | 40 | 58 | 6th | 42 | 1st | 56·1 | 46·4 | 50·9 | - 1·2 | 62 | 0 | 1 | 0·12 | - 0·40 | • | • | • | • | • | • | • | • | • | |
| | | | | | | | | | | | | | | | • | • | • | 0 | 37 | 55·8 | -0·2 | 53·0 | +0·6 | *Trinity Coll.* |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 3·0 | - 3·7 | 18 | 1 | 39 | • | • | • | • | Phœnix Park. |
| *a*. East .. { *p* Dublin, City .. .. | 47 | 64 | 4, 5 | 43 | 1st | 60·7 | 48·3 | 54·1 | - 0·4 | 85 | 0 | 2 | 0·14 | - 0·31 | • | • | • | 0 | 41 | • | • | • | • | Dublin City. |
| *a* Kilkenny .. .. | 212 | 69 | 5th | 40 | 1st | 63·1 | 47·4 | 54·7 | + 1·5 | 89 | 0 | 3 | 0·11 | - 0·39 | • | • | • | • | • | • | • | • | • | |
| *a* Waterford .. .. | 20 | 69 | 5th | 42 | 1st | 64·0 | 47·9 | 55·4 | + 1·3 | 94 | 0 | 2 | 0·09 | - 0·48 | • | • | • | • | • | • | • | • | • | |
| *a Seskin, Carrick-on-Suir* | *541* | *67* | *5th* | *41* | *1, 2* | *61·6* | *44·4* | *52·4* | — | *73* | *0* | *4* | *0·12* | — | *3·7* | — | *23* | 0 | 37 | • | • | • | • | *Seskin.* |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| *b*, West .. { *a* Birr Castle .. .. | 175 | 65 | 4, 5 | 43 | 1st | 60·9 | 46·4 | 53·2 | + 0·1 | 78 | 0 | 2 | 0·09 | - 0·42 | 1·6 | - 4·3 | 10 | • | • | • | • | • | • | Birr Castle. |
| *a* Foynes .. .. | 50 | 63 | 4th | 45 | 5th | 58·7 | 47·9 | 52·9 | - 1·1 | 76 | 0 | 3 | 0·27 | - 0·26 | • | • | • | • | • | • | • | • | • | |
| *a* Cahir .. .. | 199 | 68 | 4, 5 | 42 | 1st | 63·3 | 47·4 | 54·8 | + 1·1 | 90 | 0 | 2 | 0·04 | — | • | • | • | • | • | • | • | • | • | |
| *a* Killarney .. .. | 174 | 64 | 3-5 | 45 | 5th | 62·1 | 47·9 | 54·5 | + 0·9 | 88 | 0 | 3 | 0·27 | - 0·40 | • | • | • | • | • | • | • | • | • | |
| *a* Valencia .. .. | 30 | 62 | 3rd | 46 | 3rd | 57·6 | 49·1 | 53·1 | - 0·7 | 78 | 0 | 2 | 0·24 | - 0·48 | 5·1 | - 1·6 | 32 | • | • | • | • | • | • | Valencia. |
| *a* Roche's Point .. .. | 32 | 66 | 5th | 43 | 3rd | 63·3 | 48·7 | 55·5 | + 1·6 | 95 | 0 | 1 | 0·04 | - 0·55 | 5·0 | — | 31 | • | • | • | • | • | • | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 63 | 3rd | 50 | 31, 1 | 60·4 | 51·1 | 55·4 | + 0·8 | 94 | 0 | 1 | 0·16 | - 0·22 | 6·7 | - 1·2 | 42 | • | • | • | • | • | • | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 68 | 2-4 | 45 | 2nd | 65·6 | 49·9 | 57·2 | + 1·5 | 106 | 0 | 0 | 0·00 | - 0·47 | 9·1 | + 1·0 | 58 | • | • | • | • | • | • | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 67 | 3, 4 | 47 | 2, 4 | 64·0 | 49·4 | 56·2 | + 1·0 | 99 | 0 | 1 | 0·01 | - 0·45 | 7·7 | - 0·7 | 49 | 0 | 39 | 60·0 | +1·5 | 56·4 | +2·0 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 6·6 hrs. 42 %; Ramsgate, 6·6 hrs. 41 %; Rhyl, 3·6 hrs. 22 %; Salcombe, 7·4 hrs. 47 %; Tenby, 6·1 hrs. (−1·3) 38 %; Torquay, 7·7 hrs. (+0·2) 48 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

### Week ending on morning of Saturday, June 6th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 48 | 47 | 47·9 | +0·3 |
| Kirkwall .. .. | 51 | 49 | 49·4 | -1·3 |
| Wick .. .. .. | 47 | 46 | 46·5 | -2·4 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 53 | 50 | 51·5 | +0·7 |
| Pennan Bay .. .. | 52 | 50 | 51·0 | -0·5 |
| Aberdeen, Cove Bay | 51 | 49 | 50·0 | +1·6 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 49 | 49 | 49·0 | -1·7 |
| Ballantrae .. .. | 52 | 49 | 50·5 | -0·5 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 51 | 46 | 48·1 | +0·3 |
| Scarborough .. .. | 51 | 47 | 48·8 | -0·7 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 54 | 49 | 51·4 | -1·6 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 59 | 57 | 57·6 | +1·4 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 55 | 50 | 51·4 | +1·3 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 56 | 55 | 56·0 | +0·7 |
| Scilly .. .. .. | 56 | 55 | 55·5 | — |
| Plymouth‡ .. .. | 57 | 55 | 55·7 | +2·0 |
| Salcombe .. .. | 57 | 55 | 55·9 | +2·7 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 54 | 52 | 53·0 | -0·8 |
| Teelin .. .. .. | 58 | 51 | 53·7 | -1·7 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 57 | 53 | 54·4 | +0·8 |
| Seafield .. .. | 58 | 53 | 55·3 | -0·4 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

### Week ending at midnight (24h.) on Saturday, June 6th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 8 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Aberdeen .. .. | 105 | — | — | 31st | 5 | 60 | 103 | NWbyW 12 | 31st 15h. | 19 31st 9.25 |
| Rosyth .. .. | 73 | — | — | 31st | 1§ | 62§ | 103§ | W. 12 | 31st 9h. | 19 31st 8.35 |
| **6** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | — | — | 63 | 105 | WNW. 10 | 5th 3h. | 18 6th 10.45 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 59 | 109 | NWbyN. 11 | 4th 16h. | 21 31st 10.30 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 16 | 152 | NW by N. 8 | 31st 13h. | 17 31st 12.50 |
| South Shields .. | 61 | — | — | 31st | 1 | 47 | 120 | W. 12 | 31st 11h. | 18 31st 11.5 |
| Spurn Head .. | 40 | — | — | — | — | 75 | 93 | N. by E. 9 | 31st 21h. | 13 31st 12.40 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | — | — | 31§ | 28§ | — 10 | 4th 15h. | 15 31st ? |
| Shoeburyness .. | 90 | — | — | — | — | 21 | 147 | — 8 | 1st 8h. | 15 5th 11.55 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 1, 4, 5 | 11 | 54 | 103 | — 13 | 4th 17h. | 20 5th 13.20 |
| Warlingham .. | 33 | — | — | — | — | — | 168 | — 5 | 4th 17h. | 16 31st 21.0 |
| Brighton .. .. | 53 | — | — | — | — | 25 | 143 | — 9 | 5th 12h. | 14 5th 12.5 |
| Kew .. .. .. | 40 | — | — | — | — | 4 | 164 | NNE. 7 | 4th 16h. | 11 5th 12.55 |
| South Kensington | 92 | — | — | — | — | — | 168 | NNE. 5 | 4th 16h. | 10 5th 11.5 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Southport .. .. | 62 | — | — | 4 to 6 | 53 | 61 | 54 | NWbyW 16 | 5th 15h. | 21 5th 11.25 |
| Holyhead .. .. | 40 | — | — | 4, 5 | 5 | 98 | 65 | N.W. 12 | 5th 11h. | 16 4th 20.40 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | — | — | 5, 6 | 2 | 100 | 66 | N. 12 | 6th 6h. | 18 6th 5.45 |
| Plymouth .. .. | 86 | — | — | — | — | 42 | 126 | — 10 | 5th 17h. | 16 5th 17.10 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 31, 1, 6 | 14§ | 125§ | 27§ | — 12 | 31st 19h. | 16 31st 18.35 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — — | — — — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | — | — | 79§ | 85§ | N.W. 10 | 6th 24h. | 14 5th 24.0 |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s) 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

**TWENTY-SECOND WEEK**—May 31st to June 6th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‡ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest. | Lowest. | Means of | | | | Accumulated Number of Day-Degrees. | | | | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | | | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | | | | | | | | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 69 | 37 | 56·4 | 44·1 | 49·8 | − 0·4 | 55 | − 5 | 0 | − 2 | 3 | − 1 | 0·30 | −0·26 | 4·8 | −0·8 | 28 | 1018 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 78 | 32 | 61·1 | 43·3 | 51·6 | + 0·4 | 67 | 0 | 0 | − 2 | 2 | − 2 | 0·18 | −0·30 | 5·5 | −0·7 | 32 | 1018 |
| 2. ENGLAND, N.E. ... ... | 73 | 33 | 61·0 | 45·1 | 52·5 | + 0·1 | 74 | + 1 | 0 | 0 | 2 | − 1 | 0·05 | −0·38 | 4·7 | −1·6 | 29 | 1018 |
| 3. ENGLAND, EAST ... | 70 | 41 | 62·1 | 45·8 | 53·4 | − 1·1 | 80 | − 8 | 0 | 0 | 3 | + 1 | 0·19 | −0·27 | 5·7 | −1·3 | 35 | 1019 |
| 4 MIDLAND COUNTIES ... | 72 | 35 | 63·0 | 46·6 | 54·2 | − 0·2 | 85 | − 3 | 0 | − 1 | 2 | − 1 | 0·09 | −0·41 | 4·2 | −2·0 | 26 | 1020 |
| 5. ENGLAND, S.E. ... ... | 74 | 39 | 63·6 | 47·0 | 54·7 | − 0·9 | 89 | − 6 | 0 | 0 | 2 | 0 | 0·24 | −0·22 | 6·3 | −0·7 | 39 | 1019 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 72 | 35 | 59·9 | 45·0 | 51·9 | − 0·8 | 69 | − 7 | 0 | − 1 | 3 | 0 | 0·13 | −0·48 | 5·8 | −0·9 | 35 | 1019 |
| 7. ENGLAND, N.W. ... ... | 70 | 36 | 59·4 | 46·5 | 52·5 | − 1·2 | 74 | − 8 | 0 | 0 | 2 | − 1 | 0·16 | −0·34 | 4·7 | −2·1 | 29 | 1021 |
| 8. ENGLAND, S.W. ... ... | 71 | 34 | 62·5 | 48·6 | 55·0 | + 0·3 | 91 | + 2 | 0 | 0 | 2 | − 1 | 0·17 | −0·31 | 5·6 | −1·3 | 35 | 1021 |
| 9. IRELAND, NORTH ... | 67 | 41 | 56·7 | 46·7 | 51·3 | − 1·7 | 65 | − 12 | 0 | 0 | 2 | − 1 | 0·19 | −0·36 | 2·7 | −3·6 | 16 | 1023 |
| 10. IRELAND, SOUTH ... | 69 | 40 | 61·5 | 47·9 | 54·2 | − 0·2 | 85 | − 2 | 0 | 0 | 2 | − 1 | 0·14 | −0·45 | 3·7 | −3·0 | 23 | 1024 |
| 11. ENGLISH CHANNEL ... | 68 | 45 | 63·3 | 50·1 | 56·3 | + 0·7 | 100 | + 5 | 0 | 0 | 1 | − 2 | 0·06 | −0·44 | 7·8 | −0·2 | 50 | 1022 |

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 1 Week, May 31st to June 6th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 69 | 37 | * | * | * | * | 55 | − 5 | 0 | − 2 | 3 | − 1 | 0·30 | −0·26 | 4·8 | −0·8 | 28 | 1018 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 78 | 32 | * | * | * | * | 67 | 0 | 0 | − 2 | 2 | − 2 | 0·18 | −0·30 | 5·5 | −0·7 | 32 | 1018 |
| 2. ENGLAND, N.E. ... ... | 73 | 33 | * | * | * | * | 74 | + 1 | 0 | 0 | 2 | − 1 | 0·05 | −0·38 | 4·7 | −1·6 | 29 | 1018 |
| 3. ENGLAND, EAST ... | 70 | 41 | * | * | * | * | 80 | − 8 | 0 | 0 | 3 | + 1 | 0·19 | −0·27 | 5·7 | −1·3 | 35 | 1019 |
| 4. MIDLAND COUNTIES ... | 72 | 35 | * | * | * | * | 85 | − 3 | 0 | − 1 | 2 | − 1 | 0·09 | −0·41 | 4·2 | −2·0 | 26 | 1020 |
| 5. ENGLAND, S.E. ... ... | 74 | 39 | * | * | * | * | 89 | − 6 | 0 | 0 | 2 | 0 | 0·24 | −0·22 | 6·3 | −0·7 | 39 | 1019 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 72 | 35 | * | * | * | * | 69 | − 7 | 0 | − 1 | 3 | 0 | 0·13 | −0·48 | 5·8 | −0·9 | 35 | 1019 |
| 7. ENGLAND, N.W. ... ... | 70 | 36 | * | * | * | * | 74 | − 8 | 0 | 0 | 2 | − 1 | 0·16 | −0·34 | 4·7 | −2·1 | 29 | 1021 |
| 8. ENGLAND, S.W. ... ... | 71 | 34 | * | * | * | * | 91 | + 2 | 0 | 0 | 2 | − 1 | 0·17 | −0·31 | 5·6 | −1·3 | 35 | 1021 |
| 9. IRELAND, NORTH ... | 67 | 41 | * | * | * | * | 65 | − 12 | 0 | 0 | 2 | − 1 | 0·19 | −0·36 | 2·7 | −3·6 | 16 | 1023 |
| 10. IRELAND, SOUTH ... | 69 | 40 | * | * | * | * | 85 | − 2 | 0 | 0 | 2 | − 1 | 0·14 | −0·45 | 3·7 | −3·0 | 23 | 1024 |
| 11. ENGLISH CHANNEL ... | 68 | 45 | * | * | * | * | 100 | + 5 | 0 | 0 | 1 | − 2 | 0·06 | −0·44 | 7·8 | −0·2 | 50 | 1022 |

THE YEAR.—Aggregates, &c., for the Period of 22 Weeks, January 4th, 1914, to June 6th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 72 | 16 | * | * | * | * | 504 | + 56 | 391 | −164 | 105 | + 1 | 22·58 | +1·74 | 3·1 | −0·1 | 26 | 1007 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 78 | 15 | * | * | * | * | 654 | +123 | 492 | −127 | 85 | + 1 | 12·11 | +0·85 | 3·8 | +0·1 | 33 | 1008 |
| 2. ENGLAND, N.E. ... ... | 75 | 24 | * | * | * | * | 796 | +244 | 299 | −176 | 77 | 0 | 7·00 | −1·48 | 4·1 | +0·2 | 35 | 1011 |
| 3. ENGLAND, EAST ... | 82 | 19 | * | * | * | * | 861 | +170 | 299 | −222 | 73 | − 2 | 8·76 | +0·44 | 4·5 | +0·4 | 39 | 1014 |
| 4. MIDLAND COUNTIES ... | 78 | 15 | * | * | * | * | 881 | +162 | 367 | −166 | 76 | + 2 | 8·32 | −1·39 | 3·8 | +0·1 | 32 | 1014 |
| 5. ENGLAND, S.E. ... ... | 80 | 10 | * | * | * | * | 921 | +154 | 240 | −141 | 76 | + 5 | 12·05 | +2·44 | 4·7 | +0·6 | 40 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 72 | 18 | * | * | * | * | 662 | + 70 | 317 | −108 | 98 | + 9 | 18·82 | +1·00 | 3·5 | −0·2 | 30 | 1008 |
| 7. ENGLAND, N.W. ... ... | 75 | 22 | * | * | * | * | 775 | +151 | 227 | −159 | 84 | + 3 | 12·32 | +0·03 | 3·8 | +0·1 | 33 | 1012 |
| 8. ENGLAND, S.W. ... ... | 74 | 19 | * | * | * | * | 914 | +149 | 192 | −109 | 87 | + 7 | 16·84 | +2·76 | 4·3 | +0·2 | 38 | 1014 |
| 9. IRELAND, NORTH ... | 71 | 25 | * | * | * | * | 743 | + 83 | 246 | − 99 | 101 | + 6 | 16·18 | +2·22 | 3·4 | −0·2 | 29 | 1009 |
| 10. IRELAND, SOUTH ... | 75 | 24 | * | * | * | * | 927 | +108 | 174 | − 85 | 99 | +13 | 16·97 | +1·45 | 4·0 | 0·0 | 34 | 1012 |
| 11. ENGLISH CHANNEL ... | 77 | 25 | * | * | * | * | 1099 | +180 | 72 | − 37 | 84 | − 3 | 13·44 | +1·52 | 5·0 | +0·1 | 42 | 1015 |

M.O., June 10, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.

† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
In districts 0, 1, and 6, the averages for district temperature are for 20 years only.

The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 23. TWENTY-THIRD WEEK, SUNDAY, JUNE 7TH, TO SATURDAY, JUNE 13TH, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

At the beginning of the week a depression moved south-eastward from the north of Scotland to the Continent, and the wind increased in force from the Northward and North-Westward in this country, reaching a gale in squalls at Holyhead on the 8th, and in several places in the north and north-west of Great Britain on the 9th. Pressure continued lowest on the Continent until the 10th, when the centre of a depression lay over the south-west of England, and the general direction of the wind became Northerly to Easterly. Rain occurred at times in almost all parts of the Kingdom until the 11th, accompanied by local thunderstorms over a wide area. At many stations the rainfall equalled or exceeded an inch in 24 hours. On the 9th more than an inch was recorded at many places in Wales and central and northern England, the largest amounts reported being 1·5 in. at Malvern, 1·7 in. at Durham and 1·8 in. at West Witton. The thunderstorms, which were confined to England and Wales, occurred mostly before the 11th, but at Ventnor and Epsom they occurred again on the 13th, Salcombe and the coast of Kent being also visited on that day. In the north of Scotland and Ireland the weather was fair and dry almost throughout, and very little rain fell at a few places in South-Eastern and Southern England.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Deficient | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Deficient |
| | Rainfall ... | Light | Moderate | Very heavy | Heavy | Very heavy | Moderate | Light | Heavy | Very heavy | Light | Moderate | Heavy |
| | Sunshine ... | Abundant | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Scanty | Abundant | Moderate | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 2 weeks from May 31st, 1914. | Warmth ... | 0*0 | 0*1 | 0*0 | 0*0 | 0*0 | 0*0 | 0*0 | 0*0 | 0*0 | 0*1 | 0*0 | 0*1 |
| | Rainfall ... | 0*1 | 0*1 | 1*1 | 1*1 | 1*1 | 0*1 | 0*2 | 1*1 | 1*1 | 0*2 | 0*1 | 1*1 |
| | Sunshine ... | 1*0 | 0*0 | 0*1 | 0*1 | 0*1 | 0*0 | 0*0 | 0*1 | 0*2 | 1*1 | 0*1 | 0*1 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4*3 | 2*4 | 3*5 | 3*5 | 3*5 | 2*6 | 3*4 | 3*5 | 5*5 | 3*5 | 4*4 | 1*6 |
| | Rainfall ... | 2*8 | 1*9 | 0*10 | 1*5 | 0*9 | 1*9 | 2*7 | 3*8 | 1*11 | 1*8 | 2*9 | 1*5 |
| | Sunshine ... | 4*5 | 4*4 | 4*7 | 2*7 | 2*8 | 1*7 | 5*5 | 6*5 | 3*4 | 6*6 | 5*4 | 3*9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6*0 | 8*0 | 8*0 | 10*0 | 11*0 | 11*0 | 6*0 | 9*0 | 9*0 | 8*0 | 9*2 | 11*0 |
| | Rainfall ... | 4*4 | 2*4 | 4*6 | 5*6 | 5*4 | 5*5 | 2*4 | 4*6 | 3*5 | 3*2 | 7*1 | 4*3 |
| | Sunshine ... | 5*4 | 5*6 | 6*3 | 4*1 | 4*3 | 5*2 | 1*4 | 6*3 | 4*6 | 2*5 | 2*6 | 2*4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6*3 | 7*2 | 7*2 | 9*3 | 7*4 | 7*4 | 4*2 | 8*3 | 7*4 | 7*2 | 7*4 | 6*4 |
| | Rainfall ... | 5*2 | 5*4 | 1*7 | 3*9 | 2*8 | 3*5 | 5*4 | 5*6 | 3*5 | 5*5 | 4*6 | 5*7 |
| | Sunshine ... | 3*1 | 2*2 | 1*2 | 3*4 | 2*6 | 4*4 | 2*6 | 2*0 | 3*5 | 1*9 | 1*7 | 2*5 |
| SPRING, 1914. Mar. 1st.–May 30th. 13 weeks. | Warmth ... | 3*1 | 6*0 | 8*1 | 8*2 | 6*1 | 7*1 | 5*3 | 5*1 | 8*1 | 6*3 | 6*2 | 9*1 |
| | Rainfall ... | 5*2 | 5*5 | 4*6 | 4*5 | 4*5 | 5*4 | 6*4 | 4*5 | 7*6 | 5*5 | 4*6 | 6*5 |
| | Sunshine ... | 4*4 | 4*2 | 3*2 | 6*5 | 4*5 | 4*1 | 4*2 | 4*2 | 4*2 | 4*4 | 4*4 | 4*4 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(1568—19.) Wt. 229—611. 450. 6/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Mean for the Week. Of Lowest each day. | Mean for the Week. For whole of each day. | Difference of Mean for the Week from Average | Accumulated Heat for the Week (in Day degrees). Above 42° | Accumulated Heat for the Week (in Day degrees). Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| **0.** SCOTLAND, N. | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | | ° | ° | ° | ° | ° | ° | |
| *p Baltasound* | *31* | *62* | *11, 12* | *40* | *7th* | *57·8* | *45·1* | *51·0* | — | *63* | *0* | 2 | *0·06* | — | *6·3* | — | *34* | * | * | 52·1 | * | * | * | *Baltasound.* |
| *a* Islands .. *a Lerwick* | 54 | 61 | 11th | 43 | 7th | 54·3 | 45·1 | 49·4 | + 1·7 | 52 | 0 | 0 | 0·00 | — | 5·5 | + 0·1 | 31 | * | * | * | * | * | * | Deerness. |
| *a Stornoway* | 51 | 67 | 11, 13 | 42 | 7, 8 | 59·4 | 44·9 | 51·7 | + 1·5 | 68 | 0 | 1 | 0·12 | - 0·42 | 10·7 | + 4·5 | 61 | * | * | * | * | * | * | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *63* | *10th* | *42* | 8th | *57·4* | *46·9* | *51·8* | + *1·0* | *69* | *0* | *2* | *0·13* | — | *11·0* | — | *64* | * | * | * | * | * | * | *Castlebay.* |
| *a* Wick | 81 | 55 | 11, 12 | 39 | 7th | 52·9 | 43·4 | 47·8 | - 2·4 | 41 | 0 | 3 | 0·08 | - 0·34 | * | * | * | * | * | * | * | * | * | |
| *b*, Main- *p* Strathpeffer | 200 | 76 | 11th | 40 | 7, 10 | 60·6 | 43·0 | 51·2 | - 0·6 | 64 | 0 | 2 | 0·03 | - 0·40 | 6·4 | + 1·0 | 37 | * | * | * | * | * | * | Strathpeffer. |
| land. *p* Glencarron | 500 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | |
| *p* Fort Augustus | 68 | 74 | 11th | 37 | 11th | 57·4 | 43·4 | 49·9 | - 2·0 | 55 | 0 | 2 | 0·23 | - 0·24 | 5·0 | + 0·5 | 29 | * | * | * | * | * | * | Fort Augustus. |
| *p* Fort William | 175 | 77 | 13th | 41 | 7, 8, 11 | 64·3 | 44·7 | 53·8 | + 0·8 | 83 | 0 | 2 | 0·16 | - 0·67 | * | * | * | * | * | * | * | * | * | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | 6·0 | — | 35 | 1 | 28 | 53·4 | - 0·6 | 50·3 | +0·5 | Crathes S. |
| *p* Gordon Castle | 101 | 70 | 11th | 38 | 11th | 57·7 | 42·6 | 49·6 | - 2·7 | 53 | 0 | 4 | 0·15 | - 0·33 | *4·0* | — | *23* | * | * | * | * | * | * | *Gordon Castle.* |
| *a* Nairn | 82 | 71 | 11th | 40 | 7th | 57·3 | 43·9 | 50·1 | - 2·3 | 57 | 0 | 2 | 0·05 | - 0·34 | 5·6 | — | 32 | * | * | * | * | * | * | Nairn. |
| *a* Aberdeen | 46 | 64 | 11, 12 | 39 | 7, 11 | 59·3 | 41·7 | 51·5 | - 0·2 | 67 | 0 | 3 | 0·28 | - 0·15 | 6·1 | - 0·1 | 35 | * | * | * | * | 49·6 | +0·5 | Aberdeen. |
| *a* Balmoral | 930 | 76 | 11th | 31 | 7th | 67·1 | 38·3 | 51·7 | + 1·5 | 83 | 10 | 4 | 0·48 | - 0·01 | * | * | * | 1 | 28 | * | * | * | * | Balmoral. |
| *p* Crieff | 432 | 72 | 13th | 38 | 7th | 64·6 | 46·1 | 54·7 | + 0·7 | 89 | 0 | 2 | 0·14 | - 0·48 | 6·5 | * | 38 | * | * | * | * | * | * | Balruddery. |
| *a* Leith | 18 | 63 | 11th | 43 | 7th | 57·6 | 47·7 | 52·3 | - 1·3 | 72 | 0 | 5 | 0·48 | + 0·08 | * | * | * | * | * | * | * | * | * | |
| *a* West Linton | 800 | 67 | 11th | 33 | 11th | 58·7 | 39·9 | 48·7 | - 2·0 | 56 | 6 | 6 | 1·05 | — | *4·5* | — | *27* | 2 | 27 | * | * | * | * | *West Linton.* |
| *p* Marchmont | 498 | 65 | 13th | 37 | 7th | 57·4 | 42·1 | 49·2 | - 2·3 | 50 | 0 | 5 | 1·32 | + 0·79 | 6·0 | 0·0 | 35 | 0 | 34 | 53·9 | - 1·0 | * | * | Marchmont |
| *a Edinburgh* | *441* | *63* | *11th* | *41* | *7th* | *55·0* | *46·3* | *50·4* | — | *59* | *0* | *5* | *0·62* | — | 3·8 | — | 22 | 0 | 34 | * | * | * | * | Edinburgh. |
| **6.** *a*, SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 77 | 13th | 37 | 8th | 67·1 | 45·9 | 55·8 | + 2·0 | 97 | 0 | 1 | 0·14 | - 0·52 | * | * | * | * | * | * | * | * | * | |
| *p* Glasgow Observatory | 189 | 70 | 11, 13 | 43 | 7, 8 | 62·9 | 48·4 | 55·2 | + 1·8 | 92 | 0 | 3 | 0·07 | - 0·50 | 6·5 | + 1·1 | 38 | 0 | 32 | * | * | * | * | Glasgow. |
| *p* Rothesay | 90 | 72 | 11th | 41 | 7th | 64·1 | 47·4 | 55·2 | + 1·5 | 92 | 0 | 0 | 0·00 | - 0·66 | *8·0* | — | *47* | 0 | 37 | 55·3 | * | 51·4 | +0·1 | *Rothesay.* |
| *a* Kilmarnock | 90 | 76 | 13th | 39 | 8th | 66·1 | 45·6 | 55·1 | + 1·3 | 92 | 0 | 5 | 0·17 | — | *7·3* | — | *43* | * | * | * | * | * | * | *Kilmarnock.* |
| *a* Colmonell | 150 | 74 | 13th | 39 | 11th | 64·0 | 44·6 | 53·6 | - 0·3 | 81 | 0 | 5 | 0·27 | - 0·30 | * | * | * | 0 | 35 | * | * | * | * | |
| *p* Dumfries | 160 | 76 | 13th | 41 | 7th | 63·4 | 47·4 | 54·8 | + 0·1 | 90 | 0 | 3 | 0·16 | - 0·37 | *6·5* | — | *39* | 0 | 32 | 54·7 | * | 53·1 | * | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 75 | 13th | 41 | 8th | 65·6 | 46·0 | 55·1 | + 1·5 | 92 | 0 | 3 | 0·37 | - 0·29 | * | * | * | * | * | * | * | * | * | |
| *b*, I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p*, Douglas | 277 | 73 | 13th | 41 | 7th | 60·4 | 48·9 | 54·3 | + 1·0 | 86 | 0 | 3 | 0·49 | - 0·10 | 7·1 | - 0·2 | 43 | 0 | 39 | * | * | * | * | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 219 | 66 | 13th | 39 | 11th | 60·0 | 45·1 | 52·0 | 0·0 | 70 | 0 | 4 | 2·04 | + 1·57 | 6·1 | — | 36 | 0 | 31 | 52·8 | - 2·7 | 50·9 | - 0·3 | Cockle Park. |
| *a* Shields | 96 | 61 | 13th | 41 | 7th | 55·3 | 45·4 | 50·0 | - 2·0 | 56 | 0 | 4 | 1·92 | + 1·49 | * | * | * | * | * | * | * | * | * | |
| *p* Durham | 336 | 71 | 13th | 38 | 11th | 59·0 | 45·1 | 51·6 | - 1·5 | 67 | 0 | 5 | 3·01 | + 2·59 | 6·2 | + 0·6 | 37 | 0 | 31 | * | * | * | * | Durham. |
| *a*, North .. *p* Rounton | 249 | 64 | 10th | 37 | 8, 11 | 57·9 | 44·3 | 50·6 | - 1·4 | 60 | 0 | 5 | 2·21 | + 1·75 | * | * | * | 1 | 30 | 53·5 | * | * | * | Rounton. |
| *a West Witton* | *605* | *70* | *13th* | *38* | *11th* | *59·1* | *44·9* | *51·5* | — | *67* | *0* | *4* | *2·62* | — | * | * | * | 0 | 31 | 53·4 | * | 49·6 | * | *West Witton.* |
| *p* Scarborough | 100 | 65 | 13th | 44 | 8th | 57·3 | 47·6 | 52·1 | - 1·2 | 71 | 0 | 4 | 1·09 | + 0·66 | 6·6 | — | 40 | * | * | * | * | 52·9† | * | Scarborough. |
| *p* York | 56 | 73 | 13th | 39 | 8th | 62·4 | 46·4 | 53·8 | - 1·4 | 83 | 0 | 3 | 1·15 | + 0·68 | 6·8 | + 1·0 | 41 | * | * | 54·3 | - 1·0 | 51·8 | +0·6 | York. |
| | | | | | | | | | | | | | | | *5·3* | — | *32* | 0 | 35 | 53·7 | - 2·2 | 50·9 | +0·5 | *Hull.* |
| *b*, South .. *a* Spurn Head | 26 | 64 | 13th | 45 | 8th | 59·9 | 47·9 | 53·5 | - 0·5 | 81 | 0 | 4 | 0·91 | + 0·57 | *6·8* | — | *41* | * | * | * | * | * | * | *Spurn Head.* |
| *a* Lincoln | 58 | 72 | 13th | 39 | 8th | 63·3 | 47·1 | 54·6 | - 1·3 | 88 | 0 | 4 | 1·27 | + 0·83 | * | * | * | * | * | 55·3 | - 1·9 | 52·2 | +0·4 | Lincoln. |
| *a* Fulbeck | 180 | 70 | 13th | 36 | 8th | 62·7 | 45·6 | 53·6 | - 1·6 | 81 | 0 | 5 | 2·01 | + 1·57 | 6·5 | — | 40 | 0 | 32 | 56·7 | - 3·7 | 53·0 | - 0·2 | Rauceby. |
| | | | | | | | | | | | | | | | 6·6 | — | 40 | * | * | * | * | * | * | Skegness. |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | *6·2* | — | *38* | 0 | 37 | 57·8 | - 1·4 | 54·6 | +0·6 | *Lowestoft.* |
| *p* Cromer | 198 | 64 | 10th | 43 | 8th | 58·7 | 48·9 | 53·5 | - 0·5 | 81 | 0 | 5 | 1·20 | — | 6·3 | — | 38 | * | * | * | * | * | * | Cromer. |
| *p* Little Massingham | 280 | 68 | 13th | 39 | 8th | 61·3 | 46·9 | 53·6 | - 1·3 | 81 | 0 | 4 | 1·74 | + 1·26 | 6·2 | - 0·4 | 38 | 0 | 33 | * | * | * | * | Lit. Massingham. |
| *a*, North .. *a* Yarmouth | 17 | 64 | 12th | 42 | 8th | 59·3 | 49·7 | 54·2 | 0·0 | 85 | 0 | 3 | 1·18 | + 0·78 | 6·6 | — | 40 | * | * | 58·1 | - 3·6 | 55·1 | - 1·2 | Yarmouth. |
| *a* Norwich | 93 | 68 | 13th | 38 | 8th | 63·1 | 48·1 | 55·1 | + 0·6 | 92 | 0 | 4 | 1·23 | — | *6·4* | — | *39* | 0 | 33 | 56·9 | * | * | * | *Norwich.* |
| *a* Geldeston | 37 | 71 | 12th | 38 | 8th | 63·0 | 48·4 | 55·2 | + 0·6 | 92 | 0 | 4 | 1·09 | + 0·67 | 6·4 | - 0·7 | 39 | * | * | * | * | * | * | Geldeston. |
| *p* Cambridge | 41 | 74 | 13th | 41 | 8th | 63·1 | 48·3 | 55·2 | - 0·9 | 93 | 0 | 5 | 1·42 | + 0·95 | 6·1 | - 0·6 | 37 | 0 | 34 | 57·1 | - 1·9 | 54·3 | - 0·2 | Cambridge. |
| *p Felixstowe* | *10* | *69* | *13th* | *40* | *8th* | *61·6* | *49·7* | *55·2* | + *0·2* | *92* | *0* | *3* | *0·49* | — | *8·8* | — | *54* | * | * | * | * | * | * | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 70 | 12th | 42 | 8th | 62·7 | 49·6 | 55·7 | + 1·0 | 96 | 0 | 2 | 0·35 | — | 8·7 | — | 53 | 0 | 37 | 56·7 | - 1·4 | 54·5 | - 0·5 | Clacton. |
| *b*, South .. *a* Rothamsted | 424 | 73 | 13th | 39 | 8th | 63·0 | 46·3 | 54·1 | - 0·8 | 85 | 0 | 4 | 1·18 | + 0·72 | 6·3 | - 1·2 | 39 | * | * | * | * | * | * | Rothamsted. |
| *a Shoeburyness* | *13* | *72* | *13th* | *42* | *8th* | *63·6* | *49·0* | *55·8* | - *1·8* | *97* | *0* | *2* | *0·06* | - *0·30* | 8·7 | — | *54* | 0 | 42 | 58·4 | - 2·1 | * | * | *Southend.* |
| *p* Tottenham | 51 | 75 | 13th | 41 | 8th | 66·0 | 48·7 | 56·8 | + 0·5 | 104 | 0 | 4 | 0·50 | — | 8·0 | — | 50 | 0 | 37 | * | * | 55·8 | +0·7 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | *5·3* | — | *32* | 0 | 32 | 53·1 | - 3·9 | 50·0 | +0·2 | *Huddersfield.* |
| *a* Harrogate | 476 | 71 | 13th | 39 | 8th | 59·7 | 44·9 | 51·8 | - 1·1 | 69 | 0 | 3 | 1·78 | + 1·26 | 5·9 | — | 35 | 0 | 35 | 52·6 | - 0·2 | 51·4 | +0·4 | Harrogate. |
| *a* Bawtry | 65 | 74 | 13th | 37 | 8th | 64·0 | 45·4 | 54·1 | - 1·3 | 85 | 0 | 4 | 1·16 | + 0·75 | 6·6 | + 1·1 | 40 | 1 | 30 | 55·0 | * | 52·3 | * | Worksop. |
| *p Buxton* | *987* | *69* | *13th* | *34* | *8th* | *58·7* | *43·6* | *50·6* | - *1·0* | *60* | *0* | *6* | *1·31* | + *0·60* | *6·1* | — | *37* | 1 | 30 | 50·7 | - 4·6 | 48·7 | - 0·5 | *Buxton.* |
| *a*, East .. *a* Nottingham | 82 | 71 | 13th | 41 | 8th | 61·7 | 47·1 | 53·9 | - 1·4 | 83 | 0 | 3 | 1·85 | + 1·41 | 6·0 | — | 37 | 0 | 36 | 54·7 | - 2·9 | 52·3 | - 0·3 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 72 | 13th | 40 | 8th | 60·4 | 46·7 | 53·1 | - 1·8 | 78 | 0 | 5 | 2·40 | + 1·90 | 5·2 | — | 32 | 0 | 34 | 50·5 | - 2·4 | 49·2 | +0·3 | Birmingham. |
| *a* Raunds | 203 | 72 | 13th | 37 | 8th | 63·4 | 46·0 | 54·1 | - 1·2 | 85 | 0 | 4 | 2·05 | — | *5·6* | — | *34* | 1 | 29 | 57·1 | * | 52·7 | * | *Raunds.* |
| *p* Oxford | 208 | 75 | 13th | 41 | 8th | 64·3 | 47·6 | 55·4 | - 0·6 | 94 | 0 | 4 | 1·75 | + 1·30 | 6·2 | - 0·3 | 38 | 0 | 37 | * | * | * | * | Oxford. |
| | | | | | | | | | | | | | | | 6·0 | — | 36 | 0 | 36 | 52·8 | - 2·0 | 50·2 | +0·6 | Sheffield. |
| *a* Cheadle | 646 | 71 | 13th | 38 | 8th | 61·0 | 46·6 | 53·3 | - 0·3 | 79 | 0 | 4 | 0·59 | + 0·05 | * | * | * | 0 | 37 | * | * | * | * | Cheadle. |
| *p* Shrewsbury | 191 | 71 | 13th | 39 | 11th | 62·0 | 47·0 | 54·0 | - 1·6 | 84 | 0 | 4 | 0·97 | — | * | * | * | 0 | 38 | * | * | * | * | Shrewsbury. |
| *b*, West .. *a* Hereford§ | 291 | 73 | 13th | 37 | 8th | 62·7 | 46·4 | 54·0 | - 1·9 | 84 | 0 | 5 | 2·17 | + 1·66 | *4·5* | — | *28* | 1 | 27 | 56·7 | * | 55·0 | * | *Malvern.§* |
| *a* Cirencester | 446 | 73 | 13th | 43 | 8th | 62·9 | 50·3 | 56·2 | + 1·5 | 99 | 0 | 4 | 2·18 | + 1·67 | 6·0 | - 0·7 | 37 | 0 | 38 | 56·0 | * | 53·5 | * | Cirencester. |
| *a* Bath | 66 | 76 | 13th | 40 | 9th | 64·9 | 47·7 | 55·7 | - 0·4 | 93 | 0 | 5 | 1·44 | + 0·93 | 7·0 | — | 43 | * | * | 58·2 | - 1·3 | 55·3 | +0·1 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | * | * | * | 0 | 37 | 59·8 | +1·4 | 58·1 | +1·2 | Canterbury. |
| *p* Kew | 18 | 74 | 13th | 40 | 8th | 64·6 | 49·0 | 56·3 | - 0·2 | 100 | 0 | 4 | 0·66 | + 0·21 | 7·3 | + 0·7 | 45 | 0 | 32 | 56·8 | - 1·6 | 53·9 | +0·6 | Kew. |
| *a* Marlborough | 424 | 73 | 13th | 37 | 8th | 62·1 | 46·3 | 53·7 | - 0·5 | 82 | 0 | 4 | 1·38 | + 0·88 | 6·0 | - 0·1 | 37 | 0 | 32 | 57·6 | * | 53·8 | * | Marlborough. |
| *a* Margate | 35 | 62 | 12th | 45 | 8th | 58·9 | 50·6 | 54·5 | - 1·0 | 88 | 0 | 1 | 0·01 | - 0·38 | 7·5 | + 1·1 | 47 | 0 | 46 | 57·8 | - 0·3 | 54·9 | +0·8 | Margate. |
| *a* Wisley, Surrey | 150 | 75 | 13th | 39 | 8th | 65·1 | 47·6 | 55·7 | - 1·1 | 96 | 0 | 4 | 0·39 | — | 7·7 | — | 48 | 1 | 29 | 57·5 | - 1·3 | 53·8 | - 0·6 | Wisley. |
| | | | | | | | | | | | | | | | 9·9 | — | 62 | 0 | 39 | 59·4 | - 1·5 | 55·2 | +0·4 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 78 | 13th | 36 | 8th | 66·3 | 47·4 | 56·2 | - 0·5 | 99 | 0 | 4 | 0·08 | - 0·42 | * | * | * | 0 | 33 | 60·0 | * | * | * | Salisbury. |
| *a* Tunbridge Wells | 418 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | Tunbridge Wells. |
| *a* Dungeness | 21 | 68 | 13th | 40 | 9th | 61·6 | 49·4 | 55·1 | - 0·2 | 92 | 0 | 4 | 0·59 | + 0·27 | 8·6 | — | 53 | * | * | * | * | * | * | Littlestone. |
| *p* Hastings | 178 | 74 | 13th | 43 | 9th | 61·7 | 49·1 | 56·4 | + 0·6 | 101 | 0 | 4 | 1·09 | + 0·69 | *9·2* | + *1·5* | *57* | 0 | 39 | 58·8 | * | 55·2 | * | *Hastings.* |
| ‡ Southampton | 65 | 76 | 13th | 41 | 8th | 66·9 | 50·1 | 57·9 | + 0·1 | 111 | 0 | 2 | 0·10 | - 0·34 | 6·9 | - 0·3 | 43 | 0 | 33 | * | * | * | * | Southampton. |
| *a* Ventnor | 80 | 76 | 13th | 41 | 8th | 65·6 | 50·7 | 57·6 | + 1·1 | 109 | 0 | 4 | 0·09 | - 0·32 | 8·8 | + 1·9 | 55 | * | * | * | * | * | * | Ventnor. |
| | | | | | | | | | | | | | | | *8·5* | — | *53* | 0 | 39 | 60·0 | - 0·7 | 57·0 | +0·8 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 8·6 | + 1·3 | 53 | * | * | 57·9 | * | 55·9 | * | Eastbourne. |
| | | | | | | | | | | | | | | | *8·3* | — | *52* | * | * | 58·1 | * | 56·1 | * | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | *9·3* | + *1·9* | *58* | 0 | 38 | * | * | 56·0 | * | *Brighton.* |
| *a Westminster* | *27* | *75* | *13th* | *43* | *8th* | *65·3* | *49·8* | *57·0* | + *0·3* | *105* | *0* | *4* | *0·26* | - *0·19* | *6·6* | + *1·0* | *41* | 0 | 42 | * | * | * | * | *Westminster.* |
| *a Greenwich* | *155* | *78* | *13th* | *40* | *8th* | *66·6* | *47·7* | *56·5* | - *0·6* | *102* | *0* | *4* | *0·48* | + *0·03* | *7·3* | + *0·9* | *45* | 0 | 31 | * | * | * | * | *Greenwich.* |
| *a Hampstead* | *450* | *72* | *13th* | *39* | *8th* | *62·9* | *46·7* | *54·2* | — | *85* | *0* | *4* | *0·86* | — | *8·0* | — | *50* | 0 | 36 | * | * | * | * | *Hampstead.* |
| *a Camden Square* | *110* | *80* | *13th* | *42* | *8th* | *69·6* | *48·9* | *58·5* | — | *116* | *0* | *4* | *0·63* | — | *6·6* | — | *41* | 0 | 41 | * | * | * | * | *Camden Square.* |
| | | | | | | | | | | | | | | | *6·0* | — | *36* | 0 | 31 | 53·1 | - 2·8 | 50·1 | - 0·8 | *Burnley.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | 5·6 | — | 34 | * | * | * | * | * | * | Hoylake. |
| *p* Aspatria | 250 | 76 | 13th | 37 | 8th | 62·4 | 44·7 | 52·9 | - 0·4 | 76 | 0 | 4 | 0·60 | + 0·05 | 6·4 | — | 38 | 1 | 30 | 54·3 | * | 50·9 | * | Aspatria. |
| *p* Newton Rigg | 559 | 73 | 13th | 37 | 8th | 61·4 | 44·6 | 52·4 | - 0·4 | 73 | 0 | 4 | 0·81 | + 0·34 | 7·1 | + 0·3 | 42 | 3 | 23 | 54·7 | - 1·6 | 50·9 | +0·2 | Newton Rigg. |
| *p* Stonyhurst | 375 | 73 | 13th | 40 | 8, 9 | 61·4 | 46·6 | 53·5 | - 0·7 | 81 | 0 | 2 | 0·75 | + 0·09 | 5·9 | - 0·6 | 36 | 1 | 25 | * | * | * | * | Stonyhurst. |
| *p* Blackpool | 66 | 75 | 13th | 39 | 8th | 62·9 | 48·4 | 55·2 | + 0·7 | 92 | 0 | 4 | 0·29 | - 0·18 | 5·3 | - 1·3 | 32 | 0 | 31 | 54·1 | * | 51·5 | * | Blackpool. |
| *p* Manchester (Whit. Pk.) | 125 | 75 | 13th | 43 | 8th | 62·6 | 49·6 | 55·7 | - 0·1 | 96 | 0 | 4 | 1·10 | + 0·60 | *5·8* | + *0·5* | *35* | * | * | * | * | * | * | *Whit. Park.* |
| *a* Liverpool (Bidston) | 188 | 74 | 13th | 43 | 8th | 60·4 | 48·0 | 53·8 | - 0·7 | 83 | 0 | 6 | 0·94 | + 0·43 | *6·1* | — | *37* | * | * | * | * | * | * | *Liverpool.* |
| *a Hawarden Bridge* | *22* | *75* | *13th* | *43* | *8th* | *62·9* | *48·1* | *54·6* | - *1·1* | *88* | *0* | *6* | *1·98* | + *1·54* | *6·4* | - *0·7* | *39* | 0 | 33 | 57·1 | - 2·8 | 55·1 | - 0·4 | *Southport.* |
| | | | | | | | | | | | | | | | *5·5* | — | *33* | 0 | 34 | 54·9 | - 2·1 | 54·1 | +1·5 | *Manchester (City).* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 67 | 13th | 45 | 7th | 60·0 | 49·6 | 54·4 | - 0·6 | 87 | 0 | 4 | 1·53 | + 1·09 | 5·2 | - 1·5 | 31 | * | * | * | * | * | * | Llandudno. |
| *a* Holyhead | 57 | 65 | 13th | 47 | 8, 9 | 58·7 | 50·0 | 54·1 | + 0·1 | 85 | 0 | 5 | 0·56 | + 0·10 | *6·4* | — | *39* | * | * | * | * | * | * | *Holyhead.* |
| *Bettws-y-Coed* | 101 | *73* | *13th* | *40* | *8th* | *60·4* | *46·4* | *52·9* | - *1·5* | *76* | *0* | *6* | *2·65* | — | *4·7* | — | *29* | 0 | 38 | 51·9 | - 3·3 | 50·0 | - 0·8 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 5·2 | — | 32 | * | * | * | * | * | * | Aberdovey. |

* For note see also opposite page. † At 3 ft. ‖ Hoar frost. § The temperature on the grass refers to Hereford.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Mean for the Week. Of Lowest each day. | Mean for the whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Accumulated Heat for the Week (in Day degrees). Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | * | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 5·1 | — | 31 | * | * | * | * | * | * | Aberystwyth. |
| *a* Llangammarch Wells | 550 | 72 | 13th | 34 | 8th | 61·0 | 45·4 | 52·7 | − 1·0 | 75 | 0 | 5 | 1·36 | — | 3·8 | — | 23 | 1 | ? | 53·5 | −1·9 | 51·0 | +0·5 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 68 | 13th | 43 | 8th | 60·6 | 48·6 | 54·2 | + 0·2 | 85 | 0 | 5 | 1·22 | + 0·78 | 6·0 | − 1·4 | 37 | * | * | * | * | * | * | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 73 | 13th | 40 | 8th | 62·1 | 48·3 | 54·7 | − 2·0 | 89 | 0 | 5 | 2·34 | + 1·79 | *7·2* | — | *44* | 0 | 35 | 57·2 | −2·4 | 54·7 | +1·0 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 75 | 13th | 42 | 8th | 64·4 | 48·7 | 56·0 | − 0·7 | 98 | 0 | 4 | 1·54 | + 1·03 | *6·4* | — | *40* | 0 | 40 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 72 | 13th | 38 | 8th | 62·6 | 46·0 | 53·7 | + 0·3 | 82 | 0 | 5 | 0·76 | + 0·23 | * | * | * | * | * | 55·9 | * | 54·2 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 73 | 13th | 41 | 10th | 61·3 | 45·7 | 53·0 | − 0·6 | 77 | 0 | 4 | 1·55 | + 0·87 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *65* | *11th* | *45* | *8th* | *58·9* | *48·4* | *53·3* | *− 1·9* | *79* | *0* | *5* | *1·45* | *+ 1·10* | 5·7 | − 1·7 | 36 | 0 | 42 | 57·1 | * | 54·7 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 75 | 13th | 42 | 8th | 65·3 | 48·0 | 56·1 | + 0·3 | 99 | 0 | 5 | 1·33 | + 0·84 | 6·0 | − 0·7 | 37 | 0 | 37 | 59·3 | * | * | * | Cullompton. |
| *a* Portland .. .. | 19 | 76 | 13th | 46 | 8, 9 | 63·7 | 50·3 | 56·5 | + 1·3 | 102 | 0 | 2 | 0·16 | — | *7·3* | — | *46* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 75 | 13th | 42 | 8th | 63·4 | 49·3 | 55·9 | − 0·8 | 97 | 0 | 5 | 0·76 | + 0·28 | 5·9 | − 1·3 | 37 | 0 | 39 | 59·4 | −0·8 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 73 | 13th | 42 | 8th | 62·3 | 48·7 | 55·0 | − 0·4 | 91 | 0 | 5 | 1·92 | + 1·40 | 5·6 | − 2·1 | 35 | 0 | 38 | 59·7 | * | 57·9 | * | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Malin Head .. .. | 208 | 63 | 11th | 44 | 7, 8 | 55·7 | 47·6 | 51·4 | − 1·1 | 66 | 0 | 2 | 0·16 | − 0·32 | * | * | * | * | * | * | * | * | * | * |
| *a*, West .. *a* Blacksod Point .. | 37 | 65 | 11th | 43 | 8th | 57·0 | 46·7 | 51·5 | − 2·2 | 67 | 0 | 1 | 0·16 | − 0·44 | * | * | * | * | * | * | * | * | * | * |
| *p* Markree Castle .. | 122 | 70 | 11th | 35 | 11, 12 | 62·7 | 43·0 | 52·2 | − 0·8 | 71 | 0 | 2 | 0·26 | − 0·37 | 8·9 | + 3·1 | 53 | 1 | 29 | 55·6 | * | 52·0 | * | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 71 | 11th | 39 | 8th | 62·1 | 46·1 | 53·5 | − 0·9 | 81 | 0 | 2 | 0·16 | − 0·35 | *5·4* | *− 0·3* | *33* | * | * | * | * | * | * | *Birr Castle.* |
| *b*, East .. *p* Armagh .. | 196 | 72 | 13th | 39 | 8th | 63·4 | 44·6 | 53·4 | 0·0 | 80 | 0 | 3 | 0·29 | − 0·27 | 6·0 | + 0·2 | *36* | 0 | 32 | 56·6 | −0·6 | 53·2 | +0·5 | Armagh. |
| *a* Donaghadee .. .. | 40 | 62 | 13th | 42 | 7th | 57·4 | 48·0 | 52·4 | − 1·3 | 73 | 0 | 3 | 0·52 | 0·00 | * | * | * | * | * | * | * | * | * | * |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | | | | 0 | 35 | 55·2 | −1·9 | 53·3 | 0·0 | *Trinity Coll.* |
| *p* Dublin, City .. .. | 47 | 66 | 13th | 43 | 8th | 59·9 | 48·6 | 53·9 | − 2·1 | 83 | 0 | 4 | 0·54 | + 0·10 | 5·2 | − 1·4 | 31 | 0 | 31 | * | * | * | * | Phœnix Park. |
| *a*, East .. *a* Kilkenny .. .. | 212 | 72 | 13th | 40 | 8th | 63·3 | 47·7 | 55·0 | + 0·3 | 91 | 0 | 5 | 0·38 | − 0·15 | * | * | * | * | 41 | * | * | * | * | Dublin City. |
| *a* Waterford .. .. | 20 | 77 | 11th | 41 | 8th | 64·9 | 49·3 | 56·6 | + 1·2 | 102 | 0 | 3 | 0·34 | − 0·26 | * | * | * | * | * | * | * | * | * | * |
| *a Seskin, Carrick-on-Suir* | *541* | *70* | *13th* | *39* | *8th* | *59·9* | *46·1* | *52·5* | — | *74* | *0* | *4* | *0·36* | — | *5·2* | — | *32* | 0 | 37 | * | * | * | * | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 71 | 11th | 39 | 8th | 62·1 | 46·1 | 53·5 | − 0·9 | 81 | 0 | 2 | 0·16 | − 0·35 | 5·4 | − 0·3 | 33 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes .. .. | 50 | 72 | 11th | 42 | 8th | 63·9 | 47·9 | 55·3 | 0·0 | 93 | 0 | 2 | 0·15 | − 0·40 | * | * | * | * | * | * | * | * | * | * |
| *a* Cahir .. .. | 199 | 74 | 13th | 42 | 8th | 64·9 | 47·9 | 55·8 | + 0·9 | 97 | 0 | 3 | 0·11 | — | * | * | * | * | * | * | * | * | * | * |
| *b*, West .. *a* Killarney .. | 174 | 74 | 12th | 44 | 8th | 64·6 | 47·0 | 55·2 | + 0·5 | 92 | 0 | 5 | 0·60 | − 0·07 | * | * | * | * | * | * | * | * | * | * |
| *a* Valencia .. .. | 30 | 66 | 12, 13 | 47 | 8, 11 | 60·9 | 49·7 | 54·9 | − 0·2 | 90 | 0 | 3 | 0·17 | − 0·56 | 8·5 | + 2·0 | 52 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. .. | 32 | 72 | 13th | 45 | 8th | 62·7 | 50·3 | 56·1 | + 1·0 | 99 | 0 | 3 | 0·09 | − 0·54 | 5·5 | — | 34 | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 62 | 11th | 42 | 8th | 58·9 | 48·0 | 53·1 | − 2·6 | 78 | 0 | 5 | 1·43 | + 1·06 | 5·1 | − 2·9 | 32 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 69 | 13th | 44 | 8th | 62·1 | 49·7 | 55·5 | − 1·6 | 95 | 0 | 3 | 0·24 | − 0·23 | 4·2 | − 3·8 | 26 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 71 | 13th | 46 | 9th | 62·4 | 50·0 | 55·8 | − 0·6 | 97 | 0 | 4 | 0·29 | − 0·21 | 6·2 | − 2·2 | 39 | 0 | 41 | 59·2 | −0·8 | 57·3 | +1·6 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 9·1 hrs. 57 %; Ramsgate, 7·9 hrs. 49 %; Rhyl, 5·3 hrs. 32 %; Salcombe, 6·0 hrs. 38 %; Tenby, 7·6 hrs. (+0·1) 47 %; Torquay, 6·4 hrs. (−1·1) 40 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, June 13th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 50 | 48 | 48·7 | +0·6 |
| Kirkwall .. .. | 52 | 48 | 50·5 | −1·0 |
| Wick .. .. .. | 48 | 46 | 46·6 | −3·1 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 54 | 49 | 52·5 | +0·9 |
| Pennan Bay .. .. | 51 | 50 | 50·8 | −1·0 |
| Aberdeen, Cove Bay | 51 | 49 | 50·0 | +0·6 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 50 | 49 | 49·6 | −2·5 |
| Ballantrae .. .. | 54 | 50 | 51·8 | +0·1 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 52 | 44 | 47·8 | −1·2 |
| Scarborough .. .. | 50 | 45 | 47·1 | −3·4 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 52 | 49 | 50·1 | −4·7 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 59 | 56 | 57·6 | +0·3 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 54 | 48 | 50·4 | −0·4 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 56 | 56 | 56·0 | −0·3 |
| Scilly .. .. .. | 57 | 54 | 55·6 | — |
| Plymouth‡ .. .. | 57 | 56 | 56·2 | +1·2 |
| Salcombe .. .. | 57 | 55 | 55·8 | +1·9 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 56 | 52 | 54·4 | −0·5 |
| Teelin .. .. .. | 58 | 49 | 52·3 | −4·3 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 59 | 51 | 55·2 | +1·0 |
| Seafield .. .. | 60 | 50 | 55·2 | −1·2 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, June 13th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Aberdeen .. .. | 105 | — | — | — | — | 59 | 109 | N.W. 10 | 9th 5h. | 17 9th 5.25 |
| Rosyth .. .. | 73 | — | — | — | — | 64 | 104 | ENE. 10 | 9th 14h. | 18 9th 10.20 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 8 to 10, 12 | 39 | 69 | 60 | NNE. 17 | 9th 8h. | 25 9th 7.25 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 39 | 129 | ? 10 | 9th 14h. | 20 9th 9.15 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | 9th | 1 | 56 | 111 | N. 11 | 9th 6h. | 18 9th 22.55 |
| South Shields .. | 61 | — | — | 8 to 10 | 18 | 102 | 48 | NE. 15 | 9th 24h. | 21 9th 21.10 |
| Spurn Head .. | 40 | — | — | 8, 11, 13 | 6§ | 108§ | 24§ | N. by E. 12 | 11th 17h. | 17 11th 17.5 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | — | — | 73 | 95 | — 10 | 13th 12h. | 13 11th 13.0 |
| Shoeburyness .. | 90 | — | — | 10, 13 | 5 | 46 | 117 | — 12 | 10th 18h. | 15 13th 16.40 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 11, 13 | 16 | 71 | 81 | — 15 | 11th 12h. | 20 11th 12.10 |
| Warlingham .. | 33 | — | — | — | — | 20 | 148 | — 7 | 13th 16h. | 15 10th 21.35 |
| Brighton .. .. | 53 | — | — | — | — | 63 | 105 | — 9 | 13th 13h. | 17 10th 15.40 |
| Kew .. .. .. | 40 | — | — | — | — | 36 | 132 | NE. by E. 9 | 13th 18h. | 16 13th 17.5 |
| South Kensington | 92 | — | — | — | — | 21 | 147 | ENE. 7 | 13th 18h. | 14 10th 17.25 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | 21 | 147 | N. 9 | 9th 15h. | 18 9th 15.0 |
| Southport .. .. | 62 | — | — | 8 to 10 | 13 | 94 | 61 | N.E. 14 | 9th 9h. | 21 9th 8.5 |
| Holyhead .. .. | 40 | — | — | 7 to 10 | 46 | 87 | 35 | NNE. 17 | 9th 8h. | 22 9th 7.40 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | — | — | 8 to 11 | 20§ | 93§ | 52§ | E. 16 | 10th 16h. | 20 10th 17.10 |
| Plymouth .. .. | 86 | — | — | — | — | 51 | 117 | — 10 | 10th 15h. | 18 10th 14.10 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 7 to 10 | 64§ | 47§ | 51§ | — 16 | 7th 18h | 23 7th 17.55 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — — | — — — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly .. .. .. | 19 | — | — | 7 to 9 | 23§ | 84§ | 48§ | NNW. 14 | 7th 23h. | 21 7th 18.0 |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907–1911, but in some cases for 1908–1911, or 1909–1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s) 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

**TWENTY-THIRD WEEK**—June 7th to June 13th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of: Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| **0.** SCOTLAND, NORTH ... | 77 | 37 | 58·2 | 44·1 | 50·6 | − 0·7 | 60 | − 7 | 0 | − 1 | 2 | − 1 | 0·10 | −0·46 | 6·9 | +1·2 | 39 | 1020 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 76 | 31 | 60·0 | 43·2 | 51·0 | − 1·5 | 63 | − 11 | 0 | − 1 | 4 | + 2 | 0·49 | +0·04 | 5·7 | −0·4 | 33 | 1018 |
| **2.** ENGLAND, N.E. ... .. | 73 | 36 | 59·8 | 46·1 | 52·4 | − 1·1 | 73 | − 7 | 0 | 0 | 4 | + 1 | 1·73 | +1·29 | 6·5 | +0·3 | 40 | 1013 |
| **3.** ENGLAND, EAST ... | 75 | 38 | 62·2 | 48·3 | 54·8 | − 0·6 | 90 | − 4 | 0 | 0 | 4 | + 1 | 1·10 | +0·57 | 6·8 | 0·0 | 42 | 1010 |
| **4** MIDLAND COUNTIES ... | 76 | 37 | 62·5 | 46·9 | 54·1 | − 1·4 | 85 | − 10 | 0 | 0 | 4 | + 2 | 1·67 | +1·19 | 6·0 | −0·2 | 37 | 1011 |
| **5.** ENGLAND, S.E. ... ... | 78 | 36 | 64·0 | 48·9 | 55·9 | − 0·6 | 97 | − 5 | 0 | 0 | 3 | 0 | 0·49 | −0·01 | 7·9 | +1·0 | 49 | 1010 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 77 | 37 | 64·2 | 46·8 | 54·9 | + 0·8 | 90 | + 6 | 0 | 0 | 3 | 0 | 0·21 | −0·43 | 6·8 | +0·1 | 40 | 1016 |
| **7.** ENGLAND, N.W. ... ... | 76 | 37 | 61·2 | 47·7 | 54·1 | − 0·7 | 85 | − 4 | 0 | 0 | 4 | + 1 | 0·82 | +0·35 | 5·8 | −1·1 | 35 | 1013 |
| **8.** ENGLAND, S.W. ... ... | 76 | 34 | 62·7 | 47·9 | 54·8 | − 1·0 | 90 | − 7 | 0 | 0 | 5 | + 2 | 1·29 | +0·79 | 5·4 | −1·5 | 34 | 1011 |
| **9.** IRELAND, NORTH ... | 72 | 35 | 59·7 | 46·0 | 52·4 | − 1·7 | 73 | − 11 | 0 | 0 | 2 | − 1 | 0·26 | −0·30 | 7·5 | +1·4 | 45 | 1018 |
| **10.** IRELAND, SOUTH ... | 77 | 39 | 63·0 | 48·3 | 55·1 | − 0·4 | 92 | − 3 | 0 | 0 | 3 | 0 | 0·28 | −0·27 | 6·2 | −0·3 | 38 | 1016 |
| **11.** ENGLISH CHANNEL ... | 71 | 42 | 61·1 | 49·2 | 54·8 | − 1·8 | 90 | − 12 | 0 | 0 | 4 | + 1 | 0·65 | +0·21 | 5·2 | −2·8 | 33 | 1010 |

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 2 Weeks, May 31st to June 13th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 77 | 37 | * | * | * | * | 115 | − 12 | 0 | − 3 | 5 | − 2 | 0·40 | −0·72 | 5·8 | +0·2 | 34 | 1019 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 78 | 31 | * | * | * | * | 130 | − 11 | 0 | − 3 | 6 | 0 | 0·67 | −0·26 | 5·6 | −0·6 | 33 | 1018 |
| **2.** ENGLAND, N.E. ... ... | 73 | 33 | * | * | * | * | 147 | − 6 | 0 | 0 | 6 | 0 | 1·78 | +0·91 | 5·6 | −0·7 | 34 | 1016 |
| **3.** ENGLAND, EAST ... | 75 | 38 | * | * | * | * | 170 | − 12 | 0 | 0 | 7 | + 2 | 1·29 | +0·30 | 6·3 | −0·6 | 39 | 1015 |
| **4.** MIDLAND COUNTIES ... | 76 | 35 | * | * | * | * | 170 | − 13 | 0 | − 1 | 6 | + 1 | 1·76 | +0·78 | 5·1 | −1·1 | 31 | 1016 |
| **5.** ENGLAND, S.E. ... ... | 78 | 36 | * | * | * | * | 186 | − 11 | 0 | 0 | 5 | 0 | 0·73 | −0·23 | 7·1 | +0·1 | 44 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 77 | 35 | * | * | * | * | 159 | − 1 | 0 | − 1 | 6 | 0 | 0·34 | −0·85 | 6·3 | −0·4 | 38 | 1018 |
| **7.** ENGLAND, N.W. ... ... | 76 | 36 | * | * | * | * | 159 | − 12 | 0 | 0 | 6 | 0 | 0·98 | +0·04 | 5·2 | −1·6 | 32 | 1017 |
| **8.** ENGLAND, S.W. ... ... | 76 | 34 | * | * | * | * | 181 | − 5 | 0 | 0 | 7 | + 1 | 1·46 | +0·48 | 5·5 | −1·4 | 34 | 1016 |
| **9.** IRELAND, NORTH ... | 72 | 35 | * | * | * | * | 138 | − 23 | 0 | 0 | 4 | − 2 | 0·45 | −0·66 | 5·1 | −1·1 | 31 | 1021 |
| **10.** IRELAND, SOUTH ... | 77 | 39 | * | * | * | * | 177 | − 5 | 0 | 0 | 5 | − 1 | 0·42 | −0·72 | 4·9 | −1·7 | 30 | 1020 |
| **11.** ENGLISH CHANNEL ... | 71 | 42 | * | * | * | * | 190 | − 7 | 0 | 0 | 5 | − 1 | 0·71 | −0·23 | 6·5 | −1·5 | 41 | 1016 |

THE YEAR.—Aggregates, &c., for the Period of 23 Weeks, January 4th, 1914, to June 13th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 77 | 16 | * | * | * | * | 564 | + 49 | 391 | −165 | 107 | 0 | 22·68 | +1·28 | 3·2 | −0·1 | 27 | 1007 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 78 | 15 | * | * | * | * | 717 | +112 | 492 | −128 | 89 | + 3 | 12·60 | +0·89 | 3·9 | +0·1 | 33 | 1009 |
| **2.** ENGLAND, N.E. ... ... | 75 | 24 | * | * | * | * | 869 | +237 | 299 | −176 | 81 | + 1 | 8·73 | −0·19 | 4·2 | +0·2 | 35 | 1012 |
| **3.** ENGLAND, EAST ... | 82 | 19 | * | * | * | * | 951 | +166 | 299 | −222 | 77 | − 1 | 9·86 | +1·01 | 4·6 | +0·4 | 39 | 1014 |
| **4.** MIDLAND COUNTIES ... | 78 | 15 | * | * | * | * | 966 | +152 | 367 | −166 | 80 | + 4 | 9·99 | −0·20 | 3·9 | +0·1 | 32 | 1014 |
| **5.** ENGLAND, S.E. ... ... | 80 | 10 | * | * | * | * | 1018 | +149 | 240 | −141 | 79 | + 5 | 12·54 | +2·43 | 4·8 | +0·6 | 40 | 1014 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 77 | 18 | * | * | * | * | 752 | + 76 | 317 | −108 | 101 | + 9 | 19·03 | +0·63 | 3·7 | −0·1 | 31 | 1009 |
| **7.** ENGLAND, N.W. ... ... | 76 | 22 | * | * | * | * | 860 | +147 | 227 | −159 | 88 | + 4 | 13·14 | +0·41 | 3·9 | +0·1 | 33 | 1012 |
| **8.** ENGLAND, S.W. ... ... | 76 | 19 | * | * | * | * | 1004 | +142 | 192 | −109 | 92 | + 9 | 18·13 | +3·55 | 4·4 | +0·1 | 37 | 1014 |
| **9.** IRELAND, NORTH ... | 72 | 25 | * | * | * | * | 816 | + 72 | 246 | − 99 | 103 | + 5 | 16·44 | +1·92 | 3·6 | −0·1 | 30 | 1010 |
| **10.** IRELAND, SOUTH ... | 77 | 24 | * | * | * | * | 1019 | +105 | 174 | − 85 | 102 | +13 | 17·25 | +1·18 | 4·1 | 0·0 | 34 | 1012 |
| **11.** ENGLISH CHANNEL ... | 77 | 25 | * | * | * | * | 1189 | +168 | 72 | − 37 | 88 | − 2 | 14·09 | +1·73 | 5·0 | −0·1 | 42 | 1015 |

M.O., June 17, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 24. TWENTY-FOURTH WEEK, SUNDAY, JUNE 14TH, TO SATURDAY, JUNE 20TH, 1914. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

The week was remarkable for violent thunderstorms, with abnormally heavy rain locally, and for the fog that prevailed extensively on the coasts of these islands. Thunderstorms were experienced on Sunday over most parts of southern England, and the visitation had serious consequences in the south and south-west of London. At Westminster there was only 0·16 in. of rain, while at Wandsworth Common the measurement was 1·89 in., and at Richmond Park 3·7 in. The last record was obtained within 2¾ hours. In the north of London the rain was very slight. About the middle of the week thunderstorms occurred over the greater part of the Kingdom. At West Witton there was 1·07 in. of rain on the 18th. Heavy local rainstorms were experienced in Scotland on the 19th, resulting in a serious railway accident at Carr Bridge (Inverness). Violent thunderstorms were also reported from Paris (Monday) and Stuttgart (Tuesday).

The coastal fog and mist began to develop early in the week, when the temperature was relatively low, but as the heat on the land increased the thick weather became more pronounced and no section of the coast was free. There were several shipping casualties in the English Channel on the 17th and 18th. A shade temperature of 88° was reported from Balmoral for the 17th; otherwise the highest reading was 83° at Greenwich and Camden Square.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Unusual | Very unusual | Unusual | Unusual | Very unusual | Unusual | Very unusual | Very unusual | Unusual | Unusual | Very unusual | Unusual |
| | Rainfall ... | Moderate | Light | Moderate | Moderate | Light | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate |
| | Sunshine ... | Moderate | Abundant | Abundant | Abundant | Very abundant | Abundant | Abundant | Very abundant | Abundant | Moderate | Abundant | Deficient |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 3 weeks from May 31st, 1914. | Warmth ... | 1·0 | 1·1 | 1·0 | 1·0 | 1·0 | 1·0 | 1·0 | 1·0 | 1·0 | 1·1 | 1·0 | 1·1 |
| | Rainfall ... | 0·1 | 0·2 | 1·1 | 1·1 | 1·2 | 0·1 | 0·2 | 1·1 | 1·1 | 0·2 | 0·1 | 1·1 |
| | Sunshine ... | 1·0 | 1·0 | 1·1 | 1·1 | 1·1 | 1·0 | 1·0 | 1·1 | 1·2 | 1·1 | 1·1 | 0·2 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4·3 | 2·4 | 3·5 | 3·5 | 3·5 | 2·6 | 3·4 | 3·5 | 5·5 | 3·5 | 4·4 | 1·6 |
| | Rainfall ... | 2·8 | 1·9 | 0·10 | 1·5 | 0·9 | 1·9 | 2·7 | 3·8 | 1·11 | 1·8 | 2·9 | 1·5 |
| | Sunshine ... | 4·5 | 4·4 | 4·7 | 2·7 | 2·8 | 1·7 | 5·5 | 6·5 | 3·4 | 6·6 | 5·4 | 3·9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6·0 | 8·0 | 8·0 | 10·0 | 11·0 | 11·0 | 6·0 | 9·0 | 9·0 | 8·0 | 9·2 | 11·0 |
| | Rainfall ... | 4·4 | 2·4 | 4·6 | 5·6 | 5·4 | 5·5 | 2·4 | 4·6 | 3·5 | 3·2 | 7·1 | 4·3 |
| | Sunshine ... | 5·4 | 5·6 | 6·3 | 4·1 | 4·3 | 5·2 | 1·4 | 6·3 | 4·6 | 2·5 | 2·6 | 2·4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6·3 | 7·2 | 7·2 | 9·3 | 7·4 | 7·4 | 4·2 | 8·3 | 7·4 | 7·2 | 7·4 | 6·4 |
| | Rainfall ... | 5·2 | 5·4 | 1·7 | 3·9 | 2·8 | 3·5 | 5·4 | 5·6 | 3·5 | 5·5 | 4·6 | 5·7 |
| | Sunshine ... | 3·1 | 2·2 | 1·2 | 3·4 | 2·6 | 4·4 | 2·6 | 2·0 | 3·5 | 1·9 | 1·7 | 2·5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3·1 | 6·0 | 8·1 | 8·2 | 6·1 | 7·1 | 5·3 | 5·1 | 8·1 | 6·3 | 6·2 | 9·1 |
| | Rainfall ... | 5·2 | 5·5 | 4·6 | 4·5 | 4·5 | 5·4 | 6·4 | 4·5 | 7·6 | 5·5 | 4·6 | 6·5 |
| | Sunshine ... | 4·4 | 4·2 | 3·2 | 6·5 | 4·5 | 4·1 | 4·2 | 4·2 | 4·2 | 4·4 | 4·4 | 4·4 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(1635—19.) Wt. 22—611. 450. 6/14. D & S. G. 17/ 36.

# II.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.]

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | **Temperature of the Air.** In Degrees Fahrenheit. | | | | | | | | | **Rainfall.** | | | **Bright Sunshine.** Hours per Day. | | | **Ground Temperature.** | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. | | | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). | | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. | | Earth 1 ft. | | Earth 4 ft. | | |
| | | | | | | Of Highest each day. | Of Lowest each day. | For whole of each day. | | Above 42° | Below 42° | | | | | | | Ground Frosts | Lowest Reading. | Mean | Difference from Average. | Mean. | Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | 37 | *61* | *19th* | *46* | *14th* | *57·1* | *48·7* | *52·6* | — | *74* | *0* | *3* | *0·05* | — | *1·8* | — | *10* | | | | | | | *Baltasound.* |
| *a* Lerwick | 54 | 61 | 15th | 44 | 18th | 56·0 | 48·6 | 52·0 | + 3·3 | 70 | 0 | 1 | 0·16 | — | 2·9 | - 2·3 | 16 | • | • | 55·2 | • | • | • | Deerness. |
| *a*, Islands .. *a* Stornoway | 5. | 70 | 16th | 44 | 19th | 62·6 | 49·7 | 55·7 | + 4·2 | 96 | 0 | 3 | 0·09 | - 0·44 | 8·1 | + 1·9 | 45 | • | • | • | • | • | • | Stornoway. |
| *a Castlebay, Barra Isd.* | 37 | *64* | *17th* | *47* | *17th* | *59·3* | *49·3* | *54·0* | + *1·8* | *84* | *0* | *2* | *0·39* | — | *8·9* | — | *51* | | | | | | | *Castlebay.* |
| *a* Wick | 81 | 63 | 20th | 44 | 15th | 55·3 | 45·7 | 50·2 | - 1·3 | 57 | 0 | 0 | 0·00 | - 0·43 | • | • | • | • | • | • | • | • | • | |
| *p* Strathpeffer | 200 | 77 | 17th | 48 | 15th | 68·7 | 51·4 | 59·5 | + 6·2 | 123 | 0 | 4 | 0·22 | - 0·21 | 6·2 | + 0·8 | 35 | • | • | • | • | • | • | Strathpeffer. |
| *b*, Main- *p* Glencarron | 500 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| land. *p* Fort Augustus | 68 | 71 | 17th | 50 | 17th | 65·1 | 52·3 | 58·3 | + 5·2 | 114 | 0 | 4 | 0·58 | + 0·12 | 5·5 | + 1·0 | 31 | • | • | • | • | • | • | Fort Augustus. |
| *p* Fort William | 175 | 78 | 17th | 50 | 17th | 71·9 | 51·9 | 61·2 | + 6·9 | 134 | 0 | 4 | 0·77 | - 0·07 | • | • | • | • | • | • | • | • | • | |
| | | | | | | | | | | | | | | | 9·9 | — | 57 | 0 | 36 | 58·4 | +3·6 | 51·5 | +0·5 | Crathes S. |
| *p* Gordon Castle | 101 | 76 | 16th | 47 | 16th | 68·7 | 50·6 | 59·0 | + 5·3 | 119 | 0 | 2 | 0·20 | - 0·28 | *7·4* | — | *42* | • | • | • | • | • | • | *Gordon Castle.* |
| *a* Nairn | 82 | 70 | 18th | 48 | 16, 17 | 63·1 | 49·4 | 55·8 | + 2·2 | 97 | 0 | 3 | 0·16 | - 0·22 | 5·0 | — | 28 | • | • | • | • | • | • | Nairn. |
| *a* Aberdeen | 46 | 67 | 20th | 46 | 15, 16 | 62·7 | 49·3 | 55·5 | + 2·8 | 95 | 0 | 2 | 0·28 | - 0·14 | 7·4 | + 1·2 | 42 | • | • | • | • | 50·6 | +0·7 | Aberdeen. |
| *a* Balmoral | 930 | 88 | 17th | 43 | 15th | 75·6 | 48·1 | 60·9 | + 9·4 | 132 | 0 | 2 | 0·42 | - 0·06 | • | • | • | 0 | 40 | • | • | • | • | Balmoral. |
| *p* Crieff | 432 | 80 | 17th | 49 | 16, 17 | 74·1 | 51·3 | 61·9 | + 6·7 | 139 | 0 | 2 | 0·14 | - 0·50 | 6·9 | • | 40 | • | • | • | • | • | • | Balruddery. |
| *p* Leith | 18 | 71 | 16, 17 | 48 | 15, 16 | 66·7 | 50·9 | 58·3 | + 3·6 | 114 | 0 | 2 | 0·12 | - 0·28 | • | • | • | • | • | • | • | • | • | |
| *a* West Linton | 800 | 76 | 17th | 39 | 16th | 69·9 | 45·3 | 56·7 | + 4·5 | 103 | 0 | 2 | 0·09 | — | *9·6* | — | *56* | 0 | 34 | • | • | • | • | *West Linton.* |
| *p* Marchmont | 498 | 77 | 18th | 43 | 15, 16 | 70·4 | 48·3 | 58·6 | + 6·0 | 116 | 0 | 2 | 0·28 | - 0·23 | 12·0 | + 5·9 | 70 | 0 | 39 | 60·3 | +4·6 | • | • | Marchmont. |
| *a Edinburgh* | 441 | *71* | *17th* | *48* | *15, 16* | *66·9* | *50·6* | *58·2* | — | *113* | *0* | *2* | *0·26* | — | 8·4 | — | 49 | 0 | 36 | • | • | • | • | Edinburgh. |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle | 101 | 76 | 16th | 47 | 16th | 68·7 | 50·6 | 59·0 | + 5·3 | 119 | 0 | 2 | 0·20 | - 0·28 | • | • | • | • | • | • | • | • | • | |
| *a* Nairn | 82 | 70 | 18th | 48 | 16, 17 | 63·1 | 49·4 | 55·8 | + 2·2 | 97 | 0 | 3 | 0·16 | - 0·22 | 5·0 | — | 28 | • | • | • | • | • | • | Nairn. |
| *a* Aberdeen | 46 | 67 | 20th | 46 | 15, 16 | 62·7 | 49·3 | 55·5 | + 2·8 | 95 | 0 | 2 | 0·28 | - 0·14 | 7·4 | + 1·2 | 42 | • | • | • | • | 50·6 | +0·7 | Aberdeen. |
| *a* Balmoral | 930 | 88 | 17th | 43 | 15th | 75·6 | 48·1 | 60·9 | + 9·4 | 132 | 0 | 2 | 0·42 | - 0·06 | • | • | • | 0 | 40 | • | • | • | • | Balmoral. |
| *p* Crieff | 432 | 80 | 17th | 49 | 16, 17 | 74·1 | 51·3 | 61·9 | + 6·7 | 139 | 0 | 2 | 0·14 | - 0·50 | 6·9 | • | 40 | • | • | • | • | • | • | Balruddery. |
| *p* Leith | 18 | 71 | 16, 17 | 48 | 15, 16 | 66·7 | 50·9 | 58·3 | + 3·6 | 114 | 0 | 2 | 0·12 | - 0·28 | • | • | • | • | • | • | • | • | • | |
| *a* West Linton | 800 | 76 | 17th | 39 | 16th | 69·9 | 45·3 | 56·7 | + 4·5 | 103 | 0 | 2 | 0·09 | — | *9·6* | — | *56* | 0 | 34 | • | • | • | • | *West Linton.* |
| *p* Marchmont | 498 | 77 | 18th | 43 | 15, 16 | 70·4 | 48·3 | 58·6 | + 6·0 | 116 | 0 | 2 | 0·28 | - 0·23 | 12·0 | + 5·9 | 70 | 0 | 39 | 60·3 | +4·6 | • | • | Marchmont. |
| *a Edinburgh* | 441 | *71* | *17th* | *48* | *15, 16* | *66·9* | *50·6* | *58·2* | — | *113* | *0* | *2* | *0·26* | — | 8·4 | — | 49 | 0 | 36 | • | • | • | • | Edinburgh. |
| **6.** *a*, SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 75 | 15, 17 | 48 | 17th | 68·6 | 53·6 | 60·6 | + 5·2 | 130 | 0 | 3 | 0·71 | + 0·03 | • | • | • | • | • | • | • | • | • | |
| *p* Glasgow Observatory | 189 | 78 | 17th | 49 | 16th | 70·9 | 52·7 | 61·2 | + 6·5 | 134 | 0 | 2 | 0·15 | - 0·43 | 7·0 | + 1·6 | 41 | 0 | 43 | • | • | • | • | Glasgow. |
| *p* Rothesay | 90 | 76 | 17th | 48 | 17th | 70·0 | 52·3 | 60·5 | + 5·5 | 130 | 0 | 2 | 0·47 | - 0·21 | *7·9* | — | *46* | 0 | 48 | 60·6 | • | 52·9 | +0·7 | *Rothesay.* |
| *a* Kilmarnock | 90 | 77 | 15th | 47 | 16, 17 | 71·1 | 49·3 | 59·4 | + 4·5 | 122 | 0 | 2 | 0·13 | — | *8·2* | — | *48* | • | • | • | • | • | • | *Kilmarnock.* |
| *a* Colmonell | 150 | 76 | 17th | 47 | 14th | 69·3 | 50·1 | 59·0 | + 4·1 | 119 | 0 | 2 | 0·15 | - 0·41 | • | • | • | 0 | 45 | • | • | • | • | |
| *p* Dumfries | 180 | 79 | 17th | 49 | 19th | 72·6 | 52·3 | 61·7 | + 5·4 | 138 | 0 | 4 | 0·10 | - 0·41 | *10·6* | • | *62* | 0 | 42 | 61·5 | • | 55·0 | • | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 76 | 14, 15 | 48 | 18th | 72·1 | 51·9 | 61·3 | + 6·5 | 135 | 0 | 1 | 0·30 | - 0·35 | • | • | • | • | • | • | • | • | • | |
| *b*, I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 72 | 14, 17 | 49 | 19th | 67·1 | 53·3 | 59·7 | + 5·0 | 124 | 0 | 2 | 0·26 | - 0·33 | 11·9 | + 4·6 | 70 | 0 | 47 | • | • | • | • | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 69 | 20th | 43 | 14th | 62·0 | 47·1 | 54·0 | + 0·5 | 84 | 0 | 1 | 0·85 | + 0·41 | 9·9 | — | 58 | 0 | 39 | 59·8 | +3·8 | 53·1 | +0·9 | Cockle Park. |
| *a* Shields | 96 | 70 | 20th | 47 | 17th | 63·6 | 49·4 | 56·0 | + 2·6 | 98 | 0 | 2 | 0·54 | + 0·08 | • | • | • | • | • | • | • | • | • | |
| *p* Durham | 336 | 76 | 18th | 43 | 15, 16, 17 | 71·0 | 46·3 | 57·8 | + 3·1 | 111 | 0 | 2 | 0·79 | + 0·37 | 10·1 | + 4·4 | 60 | 0 | 37 | • | • | • | • | Durham. |
| *a*, North .. *p* Rounton | 249 | 77 | 17th | 41 | 17th | 70·1 | 48·1 | 58·3 | + 4·8 | 114 | 0 | 2 | 1·00 | + 0·55 | • | • | • | 0 | 41 | 58·3 | • | • | • | Rounton. |
| *a West Witton* | 605 | *76* | *17, 18* | *44* | *15th* | *73·1* | *48·9* | *60·2* | — | *127* | *0* | *1* | *1·07* | — | • | • | • | 0 | 39 | 59·6 | • | 50·8 | • | *West Witton.* |
| *p* Scarborough | 100 | 69 | 20th | 48 | 17th | 61·4 | 51·6 | 56·2 | + 1·6 | 99 | 0 | 2 | 0·41 | - 0·01 | 8·5 | — | 50 | • | • | • | • | 55·0† | • | Scarborough. |
| *p* York | 56 | 79 | 20th | 48 | 15th | 74·6 | 50·7 | 61·8 | + 5·3 | 139 | 0 | 1 | 0·14 | - 0·34 | 10·7 | + 4·9 | 64 | • | • | 59·0 | +2·7 | 53·1 | +0·8 | York. |
| | | | | | | | | | | | | | | | 7·7 | — | *46* | 0 | 43 | 58·9 | +2·1 | 51·4 | -0·1 | *Hull.* |
| *a* Spurn Head | 26 | 67 | 20th | 49 | 17th | 60·0 | 51·1 | 55·2 | + 0·5 | 92 | 0 | 1 | 0·20 | - 0·14 | *7·8* | • | *47* | • | • | • | • | • | • | *Spurn Head.* |
| *b*, South .. *a* Lincoln | 58 | 79 | 18, 20 | 48 | 17th | 73·6 | 51·0 | 61·5 | + 4·0 | 137 | 0 | 2 | 0·20 | - 0·25 | • | • | • | • | • | 63·8 | +6·1 | 53·6 | +0·7 | Lincoln. |
| *a* Fulbeck | 180 | 78 | 20th | 47 | 17th | 72·7 | 49·7 | 60·4 | + 3·7 | 129 | 0 | 2 | 0·39 | - 0·05 | 10·9 | — | 66 | 0 | 47 | 62·4 | +1·5 | 53·9 | -0·4 | Rauceby. |
| | | | | | | | | | | | | | | | 8·8 | — | 53 | • | • | • | • | • | • | Skegness. |
| | | | | | | | | | | | | | | | *8·2* | — | *50* | 0 | 48 | 61·7 | +1·9 | 56·0 | +1·0 | *Lowestoft.* |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | 7·6 | — | 46 | • | • | • | • | • | • | Cromer. |
| *p* Cromer | 196 | 81 | 20th | 48 | 18th | 66·0 | 50·6 | 57·8 | + 2·4 | 111 | 0 | 2 | 0·05 | — | 9·1 | + 2·5 | 55 | 0 | 48 | • | • | • | • | Lit. Massingham. |
| *p* Little Massingham | 280 | 82 | 19th | 48 | 15, 17 | 70·3 | 50·3 | 59·8 | + 3·1 | 123 | 0 | 4 | 1·01 | + 0·50 | 9·1 | — | 56 | • | • | 61·9 | -0·3 | 56·7 | -0·8 | Yarmouth. |
| *a*, North .. *a* Yarmouth | 17 | 65 | 20th | 49 | 18th | 61·7 | 51·7 | 56·4 | + 0·9 | 101 | 0 | 1 | 0·01 | - 0·39 | *9·7* | — | *59* | 0 | 46 | 61·7 | • | • | • | *Norwich.* |
| *a* Norwich | 93 | 81 | 19th | 49 | 15, 17, 19 | 71·7 | 51·1 | 60·7 | + 4·7 | 131 | 0 | 2 | 0·14 | — | 9·4 | + 2·4 | 57 | • | • | • | • | • | • | Geldeston. |
| *a* Geldeston | 37 | 77 | 20th | 46 | 19th | 68·6 | 50·6 | 59·0 | + 3·1 | 119 | 0 | 1 | 0·07 | - 0·36 | | | | | | | | | | |
| *p* Cambridge | 41 | 76 | 18-20 | 44 | 17th | 72·4 | 50·7 | 60·8 | + 3·2 | 132 | 0 | 2 | 0·08 | - 0·39 | 10·3 | + 3·6 | 63 | 0 | 39 | 61·3 | +1·7 | 55·5 | 0·0 | Cambridge. |
| *a Felixstowe* | 10 | *73* | *14th* | *46* | *17th* | *65·6* | *51·9* | *58·3* | + *1·8* | *114* | *0* | *1* | *0·09* | — | *9·2* | — | *56* | 0 | 40 | 59·7 | +1·1 | 55·9 | 0·0 | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 73 | 14th | 46 | 17th | 65·7 | 52·0 | 58·4 | + 2·1 | 115 | 0 | 2 | 0·24 | — | 9·2 | — | 56 | 0 | 40 | • | • | • | • | Clacton. |
| *b*, South .. *a* Rothamsted | 424 | 76 | 19th | 43 | 17th | 71·9 | 49·0 | 59·7 | + 3·3 | 124 | 0 | 2 | 0·02 | - 0·46 | 9·4 | + 3·0 | 58 | • | • | • | • | • | • | Rothamsted. |
| *a Shoeburyness* | 13 | *75* | *14th* | *46* | *17th* | *69·1* | *51·7* | *59·8* | + *1·2* | *125* | *0* | *1* | *0·02* | - *0·37* | *9·3* | — | *57* | 0 | 45 | 63·7 | +2·8 | • | • | *Southend.* |
| *p* Tottenham | 51 | 81 | 19th | 43 | 17th | 75·6 | 51·9 | 62·9 | + 5·2 | 146 | 0 | 2 | 1·02 | — | 10·1 | — | 62 | 0 | 41 | • | • | 57·2 | +0·9 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | *11·0* | — | *66* | 0 | 40 | 60·5 | +2·6 | 51·0 | 0·0 | *Huddersfield.* |
| *a* Harrogate | 476 | 75 | 19, 20 | 46 | 15th | 71·0 | 49·1 | 59·3 | + 4·9 | 121 | 0 | 1 | 0·04 | - 0·50 | 10·9 | — | 65 | 0 | 42 | 57·3 | +3·4 | 53·4 | +1·4 | Harrogate. |
| *a* Bawtry | 65 | 80 | 18-20 | 46 | 15, 17 | 75·9 | 48·1 | 61·0 | + 4·2 | 133 | 0 | 0 | 0·00 | - 0·41 | 11·6 | + 6·1 | 70 | 0 | 42 | 60·5 | • | 51·3 | • | Worksop. |
| *p Buxton* | 987 | *75* | *18th* | *44* | *15th* | *71·3* | *48·0* | *58·8* | + *5·8* | *118* | *0* | *1* | *0·08* | - *0·64* | *11·6* | — | *70* | 0 | 38 | 54·3 | -1·5 | 49·3 | -0·8 | *Buxton.* |
| *a*, East .. *a* Nottingham | 82 | 80 | 18th | 46 | 17th | 73·1 | 49·6 | 60·5 | + 4·0 | 130 | 0 | 0 | 0·00 | - 0·44 | 9·9 | — | 60 | 0 | 42 | 61·5 | +3·2 | 54·0 | +0·2 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 77 | 18th | 48 | 15th | 71·6 | 52·4 | 61·3 | + 4·9 | 135 | 0 | 1 | 0·06 | - 0·45 | 8·1 | — | 49 | 0 | 42 | 55·5 | +2·2 | 49·9 | +0·3 | Birmingham. |
| *a* Raunds | 203 | 79 | 18-20 | 42 | 17th | 73·6 | 48·6 | 60·2 | + 3·3 | 127 | 0 | 1 | 0·01 | — | *9·6* | — | *59* | 0 | 37 | 60·8 | • | 53·2 | • | *Raunds.* |
| *p* Oxford | 208 | 78 | 18th | 49 | 16, 17 | 73·3 | 51·4 | 61·6 | + 4·2 | 137 | 0 | 2 | 0·93 | + 0·44 | 8·9 | + 2·4 | 55 | 0 | 41 | • | • | • | • | Oxford. |
| | | | | | | | | | | | | | | | 11·8 | — | 71 | 0 | 44 | 57·8 | +2·1 | 51·0 | +0·3 | Sheffield. |
| *a* Cheadle | 646 | 75 | 17-19 | 47 | 15th | 72·7 | 53·4 | 62·4 | + 7·4 | 143 | 0 | 2 | 0·06 | - 0·52 | • | • | • | 0 | 46 | • | • | • | • | Cheadle. |
| *p* Shrewsbury | 191 | 79 | 17, 18 | 45 | 16th | 75·6 | 51·0 | 62·4 | + 5·5 | 143 | 0 | 1 | 0·50 | — | • | • | • | 0 | 44 | • | • | • | • | Shrewsbury. |
| *b*, West .. *a* Hereford§ | 291 | 77 | 17, 18 | 47 | 16, 20 | 72·6 | 50·4 | 60·7 | + 3·4 | 131 | 0 | 0 | 0·00 | - 0·50 | *10·3* | — | *63* | 0 | 40 | 61·7 | • | 56·2 | • | *Malvern.*§ |
| *a* Cirencester | 446 | 77 | 18th | 49 | 17th | 72·4 | 52·0 | 61·5 | + 5·6 | 137 | 0 | 2 | 0·13 | - 0·40 | 7·8 | + 1·2 | 48 | 0 | 44 | 59·2 | • | 54·5 | • | Cirencester. |
| *a* Bath | 66 | 76 | 18th | 46 | 17th | 72·3 | 52·0 | 61·4 | + 4·0 | 136 | 0 | 1 | 0·01 | - 0·52 | 9·1 | — | 56 | • | • | 62·7 | +2·5 | 56·7 | +0·5 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | • | • | • | 0 | 42 | 64·6 | +5·8 | 57·0 | +0·8 | Canterbury. |
| *p* Kew | 18 | 79 | 18, 19 | 48 | 17th | 73·6 | 52·4 | 62·3 | + 4·8 | 142 | 0 | 2 | 1·30 | + 0·82 | 9·1 | + 2·6 | 56 | 0 | 38 | 60·7 | +1·6 | 54·7 | +0·4 | Kew. |
| *a* Marlborough | 424 | 75 | 17, 18 | 40 | 17th | 71·7 | 46·3 | 58·1 | + 2·6 | 113 | 0 | 2 | 0·32 | - 0·21 | 7·8 | + 1·7 | 48 | 0 | 38 | 61·7 | • | 54·7 | • | Marlborough. |
| *a* Margate | 35 | 75 | 19th | 51 | 18th | 64·6 | 53·6 | 58·7 | + 1·8 | 117 | 0 | 1 | 0·04 | - 0·36 | 8·3 | + 2·1 | 51 | 0 | 44 | 60·4 | +2·0 | 56·1 | +1·0 | Margate. |
| *a* Wisley, Surrey | 150 | 79 | 19th | 42 | 17th | 74·0 | 49·1 | 60·7 | + 2·4 | 131 | 0 | 1 | 0·06 | — | 8·5 | — | 52 | 0 | 35 | 60·7 | +1·1 | 55·0 | -0·5 | Wisley. |
| | | | | | | | | | | | | | | | 9·3 | — | 58 | 0 | 44 | 63·9 | +2·5 | 56·9 | +0·9 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 78 | 14, 15 | 44 | 17th | 73·7 | 49·3 | 60·7 | + 2·5 | 131 | 0 | 3 | 0·28 | - 0·25 | • | • | • | 0 | 42 | 64·0 | • | • | • | Salisbury. |
| *a* Tunbridge Wells | 418 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | Tunbridge Wells. |
| *a* Dungeness | 21 | 69 | 15th | 52 | 16, 18 | 64·1 | 53·7 | 58·5 | + 1·8 | 116 | 0 | 1 | 0·04 | - 0·29 | 8·8 | — | 55 | • | • | • | • | • | • | Littlestone. |
| *p* Hastings | 178 | 74 | 14, 15 | 50 | 16, 18 | 66·6 | 53·3 | 59·5 | + 2·4 | 123 | 0 | 1 | 0·04 | - 0·36 | *8·7* | + *1·0* | *54* | 0 | 45 | 63·4 | • | 56·5 | • | *Hastings.* |
| *p* Southampton | 65 | 76 | 14,15,19 | 50 | 16, 17 | 73·4 | 53·0 | 62·5 | + 3·4 | 144 | 0 | 1 | 0·05 | - 0·40 | 8·9 | + 1·8 | 55 | 0 | 44 | • | • | • | • | Southampton. |
| *a* Ventnor | 80 | 74 | 15th | 50 | 16th | 68·7 | 53·4 | 60·5 | + 2·7 | 130 | 0 | 2 | 0·18 | - 0·25 | 8·7 | + 2·1 | 54 | • | • | • | • | • | • | Ventnor. |
| | | | | | | | | | | | | | | | *10·4* | — | *64* | 0 | 46 | 64·9 | +3·5 | 58·7 | +1·5 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 10·0 | + 2·7 | 62 | • | • | 62·6 | • | 57·0 | • | Eastbourne. |
| | | | | | | | | | | | | | | | *8·7* | — | *54* | • | • | 61·7 | • | 57·9 | • | *Bournemouth.* |
| | | | | | | | | | | | | | | | *8·9* | — | *55* | 0 | 47 | • | • | 58·1 | • | *Brighton.* |
| LONDON. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a Westminster* | 27 | *78* | *19th* | *50* | *17th* | *73·0* | *53·2* | *62·4* | + *4·2* | *143* | *0* | *3* | *0·36* | - *0·12* | *8·5* | + *2·9* | *52* | 0 | 45 | • | • | • | • | *Westminster.* |
| *a Greenwich* | 155 | *83* | *19th* | *45* | *17th* | *75·7* | *50·4* | *62·2* | + *3·5* | *141* | *0* | *3* | *0·40* | - *0·06* | *9·4* | + *2·9* | *58* | 0 | 36 | • | • | • | • | *Greenwich.* |
| *a Hampstead* | 450 | *77* | *19th* | *48* | *16th* | *71·9* | *51·4* | *60·9* | — | *132* | *0* | *2* | *0·19* | — | *9·2* | — | *56* | 0 | 41 | • | • | • | • | *Hampstead.* |
| *a Camden Square* | 110 | *83* | *19th* | *47* | *17th* | *73·0* | *52·3* | *64·3* | — | *156* | *0* | *3* | *0·14* | — | *8·1* | — | *50* | 0 | 44 | • | • | • | • | *Camden Square.* |
| | | | | | | | | | | | | | | | *10·7* | — | *64* | 0 | 36 | 58·9 | +2·7 | 51·4 | -0·1 | *Burnley.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | Hoylake. |
| *p* Aspatria | 250 | 75 | 15-17 | 47 | 16th | 72·0 | 51·0 | 60·8 | + 6·3 | 132 | 0 | 1 | 0·58 | + 0·03 | 12·4 | — | 73 | 0 | 41 | 60·0 | • | 51·7 | • | Aspatria. |
| *p* Newton Rigg | 559 | 77 | 15, 17 | 43 | 15th | 74·0 | 48·4 | 60·3 | + 6·2 | 128 | 0 | 2 | 0·22 | - 0·25 | 11·4 | + 4·5 | 68 | 0 | 34 | 61·1 | +3·9 | 52·6 | +0·8 | Newton Rigg. |
| *p* Stonyhurst | 375 | 76 | 17th | 48 | 16th | 72·6 | 52·3 | 61·7 | + 6·3 | 138 | 0 | 3 | 0·12 | - 0·54 | 10·1 | + 3·6 | 61 | 0 | 37 | • | • | • | • | Stonyhurst. |
| *p* Blackpool | 66 | 76 | 14th | 45 | 15th | 69·3 | 50·3 | 59·1 | + 3·2 | 120 | 0 | 1 | 0·54 | + 0·07 | 11·8 | + 5·2 | 71 | 0 | 32 | 60·1 | • | 52·5 | • | Blackpool. |
| *p* Manchester (Whit. Pk.) | 125 | 76 | 18th | 51 | 16th | 73·6 | 53·7 | 63·0 | + 6·0 | 147 | 0 | 1 | 0·35 | + 0·15 | *9·9* | + *4·6* | *59* | • | • | • | • | • | • | *Whit. Park.* |
| *a* Liverpool (Bidston) | 188 | 75 | 14th | 52 | 15, 16 | 69·1 | 54·9 | 61·5 | + 5·7 | 137 | 0 | 1 | 0·35 | + 0·16 | *10·8* | — | *65* | • | • | • | • | • | • | *Liverpool.* |
| *a Hawarden Bridge* | 22 | *74* | *14th* | *49* | *20th* | *71·6* | *54·4* | *62·4* | + *5·5* | *143* | *0* | *2* | *0·73* | + *0·29* | *11·4* | — | *68* | 0 | 36 | 63·7 | +3·0 | 57·2 | +0·6 | *Southport.* |
| | | | | | | | | | | | | | | | *8·7* | — | *52* | 0 | 42 | 60·7 | +3·0 | 55·2 | +1·4 | *Manchester (City).* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 75 | 17th | 52 | 16th | 68·9 | 55·1 | 61·5 | + 4·9 | 137 | 0 | 1 | 0·44 | - 0·01 | 10·2 | + 3·4 | 61 | • | • | • | • | • | • | Llandudno. |
| *a* Holyhead | 57 | 70 | 16th | 52 | 18th | 64·6 | 53·9 | 58·9 | + 3·8 | 118 | 0 | 1 | 0·16 | - 0·32 | *8·9* | — | *54* | • | • | • | • | • | • | *Holyhead.* |
| *Bettws-y-Coed* | 101 | *74* | *17th* | *46* | *16th* | *71·6* | *51·9* | *61·1* | + *5·4* | *134* | *0* | *2* | *0·58* | — | *9·2* | — | *55* | 0 | 45 | 57·0 | +1·4 | 51·1 | -0·5 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 8·6 | — | 52 | • | • | • | • | • | • | Aberdovey. |

* For note see also opposite page.

† At 3 ft.

‖ Hoar frost.

§ The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES. | | | | | | | | | | | | | | | 8·6 | — | 52 | | | | | | | Aberystwyth. |
| *a* Llangammarch Wells | 550 | 73 | 17th | 41 | 16th | 70·3 | 49·0 | 58·9 | + 3·8 | 118 | 0 | 2 | 0·30 | — | 8·5 | — | 52 | 0 | 35 | 57·9 | +2·3 | 51·5 | +0·2 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 72 | 14th | 50 | 19th | 63·6 | 54·0 | 58·5 | + 3·3 | 116 | 0 | 1 | 1·22 | + 0·77 | 6·6 | - 0·9 | 41 | | | | | | | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 73 | 17th | 52 | 16th | 68·9 | 53·7 | 60·8 | + 2·9 | 132 | 0 | 1 | 0·09 | - 0·48 | *10·9* | — | *67* | 0 | 45 | 62·6 | +2·5 | 55·6 | +0·6 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 75 | 17th | 51 | 16th | 71·6 | 53·9 | 62·1 | + 4·2 | 141 | 0 | 1 | 0·08 | - 0·45 | *9·5* | — | *58* | 0 | 50 | | | | | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 75 | 18th | 49 | 16th | 69·4 | 51·3 | 59·7 | + 4·3 | 124 | 0 | 2 | 0·58 | + 0·04 | | | | | | 60·7 | | 55·4 | | Shaftesbury. |
| *a* Arlington .. .. | 613 | 72 | 14, 15 | 49 | 17th | 69·0 | 52·1 | 59·9 | + 5·3 | 125 | 0 | 2 | 0·22 | - 0·48 | | | | | | | | | | Arlington. |
| *a Newquay* .. .. | *190* | *67* | *14-16* | *50* | *17th* | *64·9* | *53·9* | *59·0* | + *2·4* | *119* | *0* | 2 | *1·01* | + *0·62* | 8·1 | + 0·7 | 50 | 0 | 44 | 61·1 | | 55·4 | | Newquay. |
| *a* Cullompton .. .. | 202 | 78 | 19th | 48 | 16, 17 | 73·3 | 52·0 | 61·9 | + 4·7 | 139 | 0 | 2 | 0·41 | - 0·06 | 9·3 | + 2·7 | 58 | 0 | 43 | 64·1 | | | | Cullompton. |
| *a* Portland .. .. | 19 | 69 | 15th | 53 | 18, 20 | 64·7 | 54·6 | 59·3 | + 3·1 | 121 | 0 | 2 | 0·12 | — | *8·5* | — | *53* | | | | | | | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 74 | 14th | 52 | 17th | 68·6 | 55·6 | 61·7 | + 3·7 | 138 | 0 | 2 | 0·16 | - 0·35 | 9·5 | + 2·4 | 59 | 0 | 43 | 65·1 | +4·7 | | | Plymouth. |
| *a* Falmouth .. .. | 167 | 71 | 14th | 52 | 20th | 67·4 | 54·1 | 60·3 | + 3·6 | 128 | 0 | 2 | 0·41 | - 0·14 | 9·0 | + 1·2 | 56 | 0 | 45 | 63·7 | | 58·5 | | Falmouth. |
| **9.** IRELAND. N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. *a* Malin Head .. .. | 208 | 61 | 15, 19 | 49 | 15th | 59·1 | 50·7 | 54·6 | + 1·0 | 88 | 0 | 2 | 0·16 | - 0·32 | | | | | | | | | | |
| *a* Blacksod Point | 37 | 72 | 16th | 49 | 19th | 62·6 | 50·4 | 56·1 | + 1·3 | 99 | 0 | 3 | 0·68 | + 0·07 | | | | | | | | | | |
| *p* Markree Castle .. | 122 | 76 | 16th | 40 | 19th | 68·9 | 49·3 | 58·4 | + 4·1 | 115 | 0 | 3 | 0·19 | - 0·46 | 6·2 | + 0·7 | 37 | 0 | 34 | 60·2 | | 52·9 | | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 77 | 14-16 | 48 | 19th | 72·3 | 51·9 | 61·4 | + 5·7 | 136 | 0 | 3 | 0·59 | + 0·07 | *8·2* | + *2·6* | *49* | | | | | | | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 78 | 17th | 50 | 19th | 70·4 | 52·3 | 60·7 | + 6·0 | 131 | 0 | 3 | 1·18 | + 0·62 | 7·4 | + 1·7 | 44 | 0 | 44 | 60·7 | +2·9 | 54·5 | +1·0 | Armagh. |
| *a* Donaghadee .. .. | 40 | 72 | 17th | 47 | 19th | 63·3 | 51·9 | 57·2 | + 2·5 | 106 | 0 | 2 | 0·43 | - 0·10 | | | | 0 | 45 | 59·5 | +1·5 | 54·2 | 0·0 | *Trinity Coll.* |
| **10.** IRELAND. S. | | | | | | | | | | | | | | | 8·1 | + 1·6 | 49 | 0 | 36 | | | | | Phœnix Park. |
| *a*, East .. *p* Dublin, City .. .. | 47 | 73 | 17th | 53 | 15th | 68·6 | 54·3 | 61·0 | + 3·6 | 133 | 0 | 3 | 0·21 | - 0·22 | | | | 0 | 50 | | | | | Dublin City. |
| *a* Kilkenny .. .. | 212 | 76 | 15, 17 | 47 | 16, 17 | 71·7 | 51·0 | 60·6 | + 4·6 | 130 | 0 | 3 | 0·58 | + 0·04 | | | | | | | | | | |
| *a* Waterford .. .. | 20 | 78 | 14, 15 | 49 | 17th | 72·7 | 52·7 | 62·0 | + 5·3 | 140 | 0 | 2 | 0·46 | - 0·16 | | | | | | | | | | |
| *a Seskin, Carrick-on-Suir* | *541* | *77* | *16th* | *49* | *19, 20* | *72·1* | *51·6* | *61·1* | — | *134* | *0* | *2* | *0·27* | — | *10·9* | — | *67* | 0 | 41 | | | | | *Seskin.* |
| *b*, West .. *a* Birr Castle .. .. | 175 | 77 | 14-16 | 48 | 19th | 72·3 | 51·9 | 61·4 | + 5·7 | 136 | 0 | 3 | 0·59 | + 0·07 | 8·2 | + 2·6 | 49 | | | | | | | Birr Castle. |
| *a* Foynes .. .. | 50 | 77 | 16th | 52 | 16, 19 | 69·0 | 53·7 | 60·8 | + 4·3 | 132 | 0 | 3 | 0·16 | - 0·39 | | | | | | | | | | |
| *a* Cahir .. .. | 199 | 79 | 14, 16 | 45 | 16th | 73·7 | 51·1 | 61·6 | + 5·7 | 137 | 0 | 3 | 0·37 | — | | | | | | | | | | |
| *a* Killarney .. .. | 174 | 80 | 15th | 47 | 15th | 71·7 | 51·1 | 60·7 | + 4·9 | 131 | 0 | 2 | 0·26 | - 0·41 | | | | | | | | | | Valencia. |
| *a* Valencia .. .. | 30 | 75 | 15th | 48 | 19th | 65·0 | 52·3 | 58·2 | + 2·0 | 113 | 0 | 1 | 0·35 | - 0·38 | 7·5 | + 1·0 | 46 | | | | | | | Ballinacurra. |
| *a* Roche's Point .. .. | 32 | 75 | 14th | 53 | 16, 19 | 67·3 | 55·0 | 60·7 | + 4·5 | 131 | 0 | 2 | 0·41 | - 0·24 | 10·4 | — | 64 | | | | | | | |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 68 | 16th | 52 | 18-20 | 63·7 | 52·7 | 57·8 | + 1·1 | 111 | 0 | 2 | 0·48 | + 0·09 | 8·7 | + 0·6 | 54 | | | | | | | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 71 | 14th | 50 | 18, 20 | 65·9 | 53·4 | 59·2 | + 1·0 | 120 | 0 | 1 | 0·04 | - 0·43 | 4·4 | - 3·6 | 28 | | | | | | | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 69 | 15th | 50 | 17, 18 | 65·3 | 52·9 | 58·7 | + 1·2 | 117 | 0 | 2 | 0·41 | - 0·09 | 5·4 | - 2·9 | 34 | 0 | 44 | 60·8 | 0·0 | 57·3 | +0·5 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 9·9 hrs. 62 °/₀; Ramsgate, 8·7 hrs. 53 °/₀; Rhyl, 11·2 hrs. 68 °/₀; Salcombe, 9·8 hrs. 61 °/₀; Tenby, 9·7 hrs. (+2·1) 60 °/₀; Torquay, 10·1 hrs. (+2·4) 63 °/₀.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, June 20th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 51 | 50 | 50·4 | +1·7 |
| Kirkwall .. .. | 53 | 51 | 52·2 | +0·3 |
| Wick .. .. .. | 47 | 46 | 46·7 | -3·7 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 59 | 53 | 55·9 | +3·3 |
| Pennan Bay .. .. | 54 | 51 | 52·7 | +0·7 |
| Aberdeen, Cove Bay | 54 | 50 | 52·2 | +1·9 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 53 | 50 | 52·0 | -0·8 |
| Ballantrae .. .. | 58 | 52 | 54·8 | +2·7 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 53 | 48 | 51·0 | +1·2 |
| Scarborough .. .. | 52 | 45 | 47·6 | -3·8 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | — | — | — | — |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 62 | 60 | 61·1 | +3·1 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 58 | 51 | 53·4 | +1·9 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 58 | 57 | 57·8 | +0·8 |
| Scilly .. .. .. | 60 | 56 | 58·4 | — |
| Plymouth‡ .. .. | 60 | 58 | 59·5 | +3·6 |
| Salcombe .. .. | 61 | 57 | 58·6 | +4·0 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 57 | 56 | 56·7 | +1·1 |
| Teelin .. .. .. | 63 | 54 | 59·0 | +1·4 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 61 | 56 | 57·8 | +2·9 |
| Seafield .. .. | 67 | 56 | 60·1 | +3·4 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, June 20th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Aberdeen .. .. | 105 | — | — | — | — | 6 | 162 | S. 8 | 20th 12h. | 14 20th 11.30 |
| Rosyth .. .. | 73 | — | — | — | — | 22 | 146 | SW. 10 | 20th 11h. | 13 20th 10.45 |
| **2.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | | — | 28 | 140 | SW. 10 | 20th 12h. | 14 20th 11.40 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 8 | 160 | SSW. 7 | 20th 12h. | 15 20th 12.15 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | — | 163§ | NNW. 5 | 14th 2h. | 9 14th 6.15 |
| South Shields .. | 61 | — | — | — | — | 27 | 141 | N. 8 | 14th 8h. | 11 14th 7.45 |
| Spurn Head .. | 40 | — | — | 14, 20 | 8§ | 69§ | 84§ | NNE. 14 | 14th 14h. | 15 14th 14.10 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | — | — | 115 | 53 | — 10 | 15th 17h. | 12 15th 14.45 |
| Shoeburyness .. | 90 | — | — | — | — | 29 | 139 | ENE. 10 | 14th 14h. | 13 14th 13.20 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | Records discontinued after March 14. | | | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 15, 16 | 12 | 53 | 101 | — 13 | 15th 10h. | 17 16th 1.50 |
| Warlingham .. | 33 | — | — | — | — | 3 | 165 | — 6 | 20th 13h. | 10 14th 10.55 |
| Brighton .. .. | 53 | — | — | — | — | 34§ | 127§ | — 9 | 14th 1h. | 14 15th 11.15 |
| Kew .. .. .. | 40 | — | — | — | — | 9 | 159 | NNE. 6 | 15th 18h. | 11 15th 10.45 |
| South Kensington | 92 | — | — | — | — | — | 168 | NNE. 5 | 15th 18h. | 9 15th 18. 5 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | — | 168 | ENE. 5 | 14th 13h. | 10 14th 13. 0 |
| Southport .. .. | 62 | — | — | — | — | 30 | 138 | W. by N. 8 | 17th 12h. | 13 14th 12.35 |
| Holyhead .. .. | 40 | — | — | — | — | 63 | 105 | E. by N. 11 | 15th 9h. | 13 20th 13.30 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | — | — | 20th | 6 | 27 | 135 | SSW. 11 | 20th 16h. | 13 20th 16. 0 |
| Plymouth .. .. | 86 | — | — | — | — | 19 | 149 | — 8 | 14th 1h. | 12 14th 1. 0 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | — | — | 72§ | 85§ | — 10 | 19th 21h. | 14 19th 21.25 |
| Roches Point .. | 30 | — | — | — | — | — | — | — — | — — | — — — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly .. .. .. | 19 | — | — | — | — | 31§ | 138§ | NW. 9 | 20th 23h. | 12 14th 8.45 |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**TWENTY-FOURTH WEEK**—June 14th to June 20th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Means of | | | | Accumulated Number of Day-Degrees. | | | | | | | | | | | |
| | Highest. | Lowest. | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| **0.** SCOTLAND, NORTH ... | 78 | 44 | 63·3 | 49·9 | 56·2 | + 4·0 | 99 | + 26 | 0 | − 1 | 3 | − 1 | 0·30 | −0·32 | 5·7 | +0·3 | 32 | 1019 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 88 | 39 | 68·9 | 49·2 | 58·3 | + 4·8 | 114 | + 33 | 0 | 0 | 2 | − 2 | 0·21 | −0·29 | 8·3 | +2·3 | 48 | 1018 |
| **2.** ENGLAND, N.E. ... ... | 79 | 41 | 67·7 | 49·4 | 57·9 | + 3·5 | 111 | + 24 | 0 | 0 | 2 | 0 | 0·50 | +0·09 | 9·8 | +3·6 | 59 | 1018 |
| **3.** ENGLAND, EAST ... | 82 | 43 | 69·3 | 50·9 | 59·5 | + 3·4 | 123 | + 24 | 0 | 0 | 2 | − 1 | 0·29 | −0·24 | 9·3 | +2·8 | 57 | 1017 |
| **4.** MIDLAND COUNTIES ... | 80 | 42 | 73·1 | 50·7 | 61·1 | + 4·9 | 134 | + 35 | 0 | 0 | 1 | − 2 | 0·16 | −0·30 | 9·7 | +3·7 | 59 | 1018 |
| **5.** ENGLAND, S.E. ... ... | 79 | 40 | 70·0 | 51·6 | 60·2 | + 3·0 | 127 | + 21 | 0 | 0 | 2 | − 1 | 0·26 | −0·21 | 8·8 | +2·1 | 54 | 1017 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 79 | 47 | 70·2 | 51·9 | 60·4 | + 5·4 | 129 | + 38 | 0 | 0 | 2 | − 1 | 0·28 | −0·36 | 9·5 | +3·0 | 56 | 1018 |
| **7.** ENGLAND, N.W. ... ... | 77 | 43 | 70·5 | 52·5 | 60·9 | + 5·2 | 132 | + 36 | 0 | 0 | 1 | − 2 | 0·35 | −0·12 | 10·8 | +4·1 | 64 | 1018 |
| **8.** ENGLAND, S.W. ... ... | 78 | 41 | 68·7 | 53·0 | 60·3 | + 3·8 | 128 | + 26 | 0 | 0 | 2 | − 1 | 0·36 | −0·18 | 8·5 | +1·6 | 52 | 1017 |
| **9.** IRELAND, NORTH ... | 78 | 40 | 66·1 | 51·1 | 58·1 | + 3·2 | 113 | + 24 | 0 | 0 | 3 | − 1 | 0·54 | −0·06 | 6·8 | +1·0 | 40 | 1018 |
| **10.** IRELAND, SOUTH ... | 80 | 45 | 70·2 | 52·6 | 60·8 | + 4·5 | 132 | + 32 | 0 | 0 | 2 | − 1 | 0·37 | −0·19 | 8·6 | +2·0 | 52 | 1018 |
| **11.** ENGLISH CHANNEL ... | 71 | 50 | 65·0 | 53·0 | 58·6 | + 1·2 | 116 | + 9 | 0 | 0 | 2 | − 2 | 0·31 | −0·10 | 6·2 | −1·9 | 39 | 1017 |

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 3 Weeks, May 31st to June 20th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 78 | 37 | * | * | * | * | 214 | + 14 | 0 | − 4 | 8 | − 3 | 0·70 | −1·04 | 5·8 | +0·2 | 33 | 1019 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 88 | 31 | * | * | * | * | 244 | + 22 | 0 | − 3 | 8 | − 2 | 0·88 | −0·55 | 6·5 | +0·4 | 38 | 1018 |
| **2.** ENGLAND, N.E. ... ... | 79 | 33 | * | * | * | * | 258 | + 18 | 0 | 0 | 8 | 0 | 2·28 | +1·00 | 7·0 | +0·8 | 42 | 1016 |
| **3.** ENGLAND, EAST ... | 82 | 38 | * | * | * | * | 293 | + 12 | 0 | 0 | 9 | + 1 | 1·58 | +0·06 | 7·3 | +0·5 | 45 | 1015 |
| **4.** MIDLAND COUNTIES ... | 80 | 35 | * | * | * | * | 304 | + 22 | 0 | − 1 | 7 | − 1 | 1·92 | +0·48 | 6·7 | +0·6 | 41 | 1016 |
| **5.** ENGLAND, S.E. ... ... | 79 | 36 | * | * | * | * | 313 | + 10 | 0 | 0 | 7 | − 1 | 0·99 | −0·44 | 7·7 | +0·8 | 48 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 79 | 35 | * | * | * | * | 288 | + 37 | 0 | − 1 | 8 | − 1 | 0·62 | −1·21 | 7·4 | +0·8 | 44 | 1018 |
| **7.** ENGLAND, N.W. ... ... | 77 | 36 | * | * | * | * | 291 | + 24 | 0 | 0 | 7 | − 2 | 1·33 | −0·08 | 7·1 | +0·3 | 43 | 1017 |
| **8.** ENGLAND, S.W. ... ... | 78 | 34 | * | * | * | * | 309 | + 21 | 0 | 0 | 9 | 0 | 1·82 | +0·30 | 6·5 | −0·4 | 40 | 1016 |
| **9.** IRELAND, NORTH ... | 78 | 35 | * | * | * | * | 251 | + 1 | 0 | 0 | 7 | − 3 | 0·99 | −0·72 | 5·6 | −0·4 | 34 | 1020 |
| **10.** IRELAND, SOUTH ... | 80 | 39 | * | * | * | * | 309 | + 27 | 0 | 0 | 7 | − 2 | 0·79 | −0·91 | 6·1 | −0·5 | 38 | 1019 |
| **11.** ENGLISH CHANNEL ... | 71 | 42 | * | * | * | * | 306 | + 2 | 0 | 0 | 7 | − 3 | 1·02 | −0·33 | 6·4 | −1·6 | 40 | 1016 |

THE YEAR.—Aggregates, &c., for the Period of 24 Weeks, January 4th, 1914, to June 20th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 78 | 16 | * | * | * | * | 663 | + 75 | 391 | −166 | 110 | − 1 | 22·98 | +0·96 | 3·3 | −0·1 | 27 | 1008 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 831 | +145 | 492 | −128 | 91 | + 1 | 12·81 | +0·60 | 4·1 | +0·2 | 34 | 1009 |
| **2.** ENGLAND, N.E. ... ... | 79 | 24 | * | * | * | * | 980 | +261 | 299 | −176 | 83 | + 1 | 9·23 | −0·10 | 4·4 | +0·3 | 36 | 1012 |
| **3.** ENGLAND, EAST ... | 82 | 19 | * | * | * | * | 1074 | +190 | 299 | −222 | 79 | − 2 | 10·15 | +0·77 | 4·8 | +0·5 | 40 | 1014 |
| **4.** MIDLAND COUNTIES ... | 80 | 15 | * | * | * | * | 1100 | +187 | 367 | −166 | 81 | + 2 | 10·15 | −0·50 | 4·1 | +0·2 | 34 | 1014 |
| **5.** ENGLAND, S.E. ... ... | 79 | 10 | * | * | * | * | 1145 | +170 | 240 | −141 | 81 | + 4 | 12·80 | +2·22 | 5·0 | +0·7 | 41 | 1014 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 79 | 18 | * | * | * | * | 881 | +114 | 317 | −108 | 103 | + 8 | 19·31 | +0·27 | 3·9 | −0·1 | 32 | 1009 |
| **7.** ENGLAND, N.W. ... ... | 77 | 22 | * | * | * | * | 992 | +183 | 227 | −159 | 89 | + 2 | 13·49 | +0·29 | 4·2 | +0·2 | 34 | 1013 |
| **8.** ENGLAND, S.W. ... ... | 78 | 19 | * | * | * | * | 1132 | +168 | 192 | −109 | 94 | + 8 | 18·49 | +3·37 | 4·6 | +0·2 | 38 | 1014 |
| **9.** IRELAND, NORTH ... | 78 | 25 | * | * | * | * | 929 | + 96 | 246 | − 99 | 106 | + 4 | 16·98 | +1·86 | 3·7 | −0·1 | 31 | 1010 |
| **10.** IRELAND, SOUTH ... | 80 | 24 | * | * | * | * | 1151 | +137 | 174 | − 85 | 104 | +12 | 17·62 | +0·99 | 4·3 | +0·1 | 35 | 1012 |
| **11.** ENGLISH CHANNEL ... | 77 | 25 | * | * | * | * | 1305 | +177 | 72 | − 37 | 90 | − 4 | 14·40 | +1·63 | 5·0 | −0·1 | 41 | 1015 |

M.O., June 24, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 97

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 25. TWENTY-FIFTH WEEK, SUNDAY, JUNE 21ST, TO SATURDAY, JUNE 27TH, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

At the beginning of the week a depression extended from Iceland across these Islands and was accompanied by rain in nearly all localities and by thunderstorms in many parts of Scotland and the eastern half of England. As a rule the rainfall was not heavy, but at Balmoral the measurement was 1·03 in. This disturbance passed away to the eastward and was followed by another of little intensity which travelled slowly eastward, disappearing on Wednesday evening. Very slight falls of rain were experienced during its passage over the Kingdom generally, but on Tuesday, when further thunderstorms occurred over the eastern half of England, as much as 1·08 in. fell at Margate, and at Canterbury ·32 in. in 10 minutes. The wind with these depressions was mostly light or moderate in force from between South-West and North-West. By Thursday the Azores anticyclone had extended to the south-west of these islands, and during the remainder of the week it continued to spread north-eastward, although the extreme north of the United Kingdom came under the influence of a depression over the Icelandic region. With the high pressure the wind became Easterly or variable in the south of England and the Channel, but continued from some Westerly point further north. Much fog or mist again prevailed on the extreme south-west coast and at the mouth of the Channel, and brief visitations were experienced over a more extensive coastal area. At Wisley the thermometer on the grass recorded 31° early on the 24th, and the frost left its mark on the bracken.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Unusual | Moderate | Moderate | Moderate | Deficient | Moderate | Moderate | Moderate | Moderate | Moderate |
| | Rainfall ... | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Light | Moderate | Light | Light | Light | Moderate |
| | Sunshine ... | Moderate | Abundant | Abundant | Abundant | Abundant | Abundant | Moderate | Abundant | Moderate | Moderate | Abundant | Moderate |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 4 weeks from May 31st, 1914. | Warmth ... | 1·0 | 1·1 | 2·0 | 1·0 | 1·0 | 1·0 | 1·1 | 1·0 | 1·0 | 1·1 | 1·0 | 1·1 |
| | Rainfall ... | 0·1 | 0·2 | 1·1 | 1·1 | 1·2 | 0·1 | 0·3 | 1·1 | 1·2 | 0·3 | 0·2 | 1·1 |
| | Sunshine ... | 1·0 | 2·0 | 2·1 | 2·1 | 2·1 | 2·0 | 1·0 | 2·1 | 1·2 | 1·1 | 2·1 | 0·2 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4·3 | 2·4 | 3·5 | 3·5 | 3·5 | 2·6 | 3·4 | 3·5 | 5·5 | 3·5 | 4·4 | 1·6 |
| | Rainfall ... | 2·8 | 1·9 | 0·10 | 1·5 | 0·9 | 1·9 | 2·7 | 3·8 | 1·11 | 1·8 | 2·9 | 1·5 |
| | Sunshine ... | 4·5 | 4·4 | 4·7 | 2·7 | 2·8 | 1·7 | 5·5 | 6·5 | 3·4 | 6·6 | 5·4 | 3·9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6·0 | 8·0 | 8·0 | 10·0 | 11·0 | 11·0 | 6·0 | 9·0 | 9·0 | 8·0 | 9·2 | 11·0 |
| | Rainfall ... | 4·4 | 2·4 | 4·6 | 5·6 | 5·4 | 5·5 | 2·4 | 4·6 | 3·5 | 3·2 | 7·1 | 4·3 |
| | Sunshine ... | 5·4 | 5·6 | 6·3 | 4·1 | 4·3 | 5·2 | 1·4 | 6·3 | 4·6 | 2·5 | 2·6 | 2·4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth .. | 6·3 | 7·2 | 7·2 | 9·3 | 7·4 | 7·4 | 4·2 | 8·3 | 7·4 | 7·2 | 7·4 | 6·4 |
| | Rainfall ... | 5·2 | 5·4 | 1·7 | 3·9 | 2·8 | 3·5 | 5·4 | 5·6 | 3·5 | 5·5 | 4·6 | 5·7 |
| | Sunshine ... | 3·1 | 2·2 | 1·2 | 3·4 | 2·6 | 4·4 | 2·6 | 2·0 | 3·5 | 1·9 | 1·7 | 2·5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3·1 | 6·0 | 8·1 | 8·2 | 6·1 | 7·1 | 5·3 | 5·1 | 8·1 | 6·3 | 6·2 | 9·1 |
| | Rainfall ... | 5·2 | 5·5 | 4·6 | 4·5 | 4·5 | 5·4 | 6·4 | 4·5 | 7·6 | 5·5 | 4·6 | 6·5 |
| | Sunshine ... | 4·4 | 4·2 | 3·2 | 6·5 | 4·5 | 4·1 | 4·2 | 4·2 | 4·2 | 4·4 | 4·4 | 4·4 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(1704—19.) Wt. 229—611. 450. 7/14. D & S. G. 17/ 36.

II.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.]

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts | Lowest Reading. | Earth 1 ft. Mean. | Difference from Average. | Earth 4 ft. Mean. | Difference from Average. | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0. SCOTLAND, N.** | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| a, Islands.. | *p Baltasound* | *31* | *64* | *23, 25, 26* | *46* | *26th* | *62·4* | *49·7* | *55·6* | — | *95* | *0* | *6* | *0·73* | — | *1·8* | — | *10* | | | 55·3 | | | | *Baltasound.* |
| | a Lerwick.. | 54 | 59 | 23rd | 48 | 26th | 56·1 | 49·9 | 52·8 | + 3·2 | 76 | 0 | 6 | 0·75 | — | 5·3 | + 0·3 | 29 | | | | | | | Deerness. |
| | a Stornoway | 51 | 62 | 21st | 42 | 23rd | 58·7 | 47·9 | 52·9 | + 0·5 | 76 | 0 | 6 | 0·56 | - 0·01 | 6·7 | + 0·6 | 37 | | | | | | | Stornoway. |
| | *a Castlebay, Barra Isd.* | *37* | *58* | *23rd* | *47* | *21st* | *56·0* | *50·0* | *52·8* | *0·0* | *76* | *0* | *6* | *0·56* | — | *6·2* | — | *35* | | | | | | | *Castlebay.* |
| b, Mainland. | a Wick | 81 | 64 | 26th | 46 | 26th | 58·4 | 49·0 | 53·4 | + 1·2 | 80 | 0 | 6 | 0·27 | - 0·18 | | | | | | | | | | |
| | p Strathpeffer | 200 | | | | | | | | | | | | | | | | | | | | | | | Strathpeffer. |
| | p Glencarron | 500 | | | | | | | | | | | | | | | | | | | | | | | |
| | p Fort Augustus.. | 68 | 64 | 23rd | 43 | 24th | 60·7 | 48·3 | 54·1 | - 0·2 | 85 | 0 | 5 | 0·19 | - 0·28 | 3·7 | - 0·7 | 21 | | | | | | | Fort Augustus. |
| | p Fort William | 175 | 65 | 23rd | 46 | 23rd | 62·1 | 48·4 | 54·8 | - 0·5 | 90 | 0 | 4 | 1·00 | + 0·13 | | | | | | | | | | |
| **1. SCOTLAND, E.** | | | | | | | | | | | | | | | | | | | | | | | | | |
| | p Gordon Castle | 101 | 74 | 26th | 44 | 24th | 65·7 | 49·4 | 57·0 | + 2·3 | 105 | 0 | 4 | 0·23 | - 0·26 | 8·0 | — | 46 | 0 | 33 | 59·1 | +1·0 | 53·4 | +1·4 | Crathes S. |
| | *a Nairn* | 82 | 69 | 26th | 44 | 23rd | 63·3 | 48·6 | 55·4 | + 0·9 | 94 | 0 | *6·5* | | | *6·6* | — | *37* | | | | | | | *Gordon Castle.* |
| | *a Aberdeen* | 46 | 71 | 26th | 46 | 23, 26 | 65·4 | 50·9 | 57·7 | + 3·9 | 110 | 0 | 3 | 0·09 | - 0·34 | 7·5 | + 1·4 | 43 | | | | | 52·3 | +1·8 | Nairn. |
| | *a Balmoral* | 930 | 76 | 25th | 41 | 23, 24, 26 | 69·4 | 45·1 | 56·4 | + 4·1 | 101 | 0 | 4 | 1·10 | + 0·63 | | | | 0 | 37 | | | | | Aberdeen. |
| | *p Crieff* | 432 | 70 | 26th | 42 | 24th | 66·1 | 45·7 | 55·2 | - 0·8 | 92 | 0 | 6 | 0·23 | - 0·42 | 9·0 | | 52 | | | | | | | Balmoral. |
| | *a Leith* | 18 | 69 | 26th | 48 | 24th | 65·4 | 51·3 | 57·9 | + 2·0 | 111 | 0 | 1 | 0·02 | - 0·42 | | | | | | | | | | Balruddery. |
| | *a West Linton* | 800 | 65 | 26th | 37 | 24, 26 | 60·3 | 42·9 | 51·0 | - 2·1 | 63 | 0 | 5 | 0·21 | — | *6·1* | — | *35* | 1 | 29 | | | | | *West Linton.* |
| | *p Marchmont* | 498 | 70 | 26th | 42 | 26th | 64·9 | 47·6 | 55·7 | + 2·1 | 96 | 0 | 1 | 0·57 | + 0·04 | 9·4 | + 3·2 | 54 | 0 | 38 | 60·0 | +4·2 | | | Marchmont. |
| | *a Edinburgh* | *441* | 67 | *26th* | *46* | *22nd* | *63·6* | *49·4* | *56·0* | — | *98* | *0* | *1* | *0·03* | — | 8·6 | — | 50 | 0 | 38 | | | | | Edinburgh. |
| **6. a, SCOTLAND, W.** | | | | | | | | | | | | | | | | | | | | | | | | | |
| | *a Poltalloch* | 132 | 67 | 26th | 43 | 22nd | 59·9 | 47·7 | 53·4 | - 2·6 | 80 | 0 | 5 | 0·75 | + 0·05 | | | | | | | | | | |
| | *p Glasgow Observatory* | 180 | 66 | 26, 27 | 46 | 22nd | 62·3 | 49·0 | 55·2 | - 0·5 | 92 | 0 | 4 | 0·13 | - 0·47 | 5·3 | - 0·1 | 31 | 0 | 35 | | | | | Glasgow. |
| | *p Rothesay* | 90 | 65 | 26, 27 | 42 | 22, 23 | 62·3 | 47·0 | 54·1 | - 2·1 | 85 | 0 | 3 | 0·37 | - 0·35 | *6·0* | — | *35* | 0 | 42 | 58·9 | | 54·3 | +1·4 | *Rothesay.* |
| | *a Kilmarnock* | 90 | 68 | 26th | 39 | 24th | 62·4 | 46·6 | 54·0 | - 1·7 | 84 | 0 | *1* | *0·30* | — | *6·1* | — | *36* | | | | | | | *Kilmarnock.* |
| | *a Colmonell* | 150 | 67 | 26th | 42 | 22nd | 61·9 | 48·0 | 54·5 | - 1·3 | 88 | 0 | 3 | 0·19 | - 0·48 | | | | 0 | 39 | | | | | |
| | *a Dumfries* | 160 | 64 | 26th | 44 | 22, 24, 26 | 61·7 | 47·6 | 54·2 | - 2·7 | 85 | 0 | *2* | *0·11* | - 0·43 | *7·1* | — | *42* | 0 | 36 | 59·5 | | 57·0 | | *Dumfries.* |
| | *p Cally, Gatehouse* | 120 | 66 | 23rd | 40 | 22nd | 62·7 | 44·0 | 52·7 | - 3·4 | 75 | 0 | 2 | 0·14 | - 0·54 | | | | | | | | | | |
| **b. I. OF MAN.** | | | | | | | | | | | | | | | | | | | | | | | | | |
| | *p Douglas* | 277 | 63 | 26, 27 | 45 | 24, 26 | 60·4 | 47·6 | 53·6 | - 2·0 | 81 | 0 | 2 | 0·05 | - 0·56 | 7·8 | + 0·5 | 46 | 0 | 41 | | | | | Douglas. |
| **2. ENGLAND, N.E.** | | | | | | | | | | | | | | | | | | | | | | | | | |
| | *a Alnwick Castle* | 219 | 70 | 26, 27 | 46 | 26, 27 | 67·0 | 48·7 | 57·2 | + 2·7 | 106 | 0 | 2 | 0·25 | - 0·23 | 7·8 | — | 46 | 0 | 40 | 58·9 | +3·2 | 55·1 | +2·4 | Cockle Park. |
| | *a Shields* | 96 | 68 | 27th | 45 | 26th | 65·1 | 49·4 | 56·7 | + 2·0 | 103 | 0 | 4 | 0·57 | + 0·09 | | | | | | | | | | |
| | *p Durham* | 336 | 68 | 26th | 42 | 23rd | 66·3 | 47·4 | 56·2 | + 0·5 | 99 | 0 | 3 | 0·65 | + 0·22 | 8·0 | + 2·2 | 47 | 0 | 36 | | | | | Durham. |
| a, North | p Rounton | 249 | 70 | 21, 26, 27 | 41 | 26th | 67·1 | 47·6 | 56·7 | + 1·7 | 103 | 0 | 2 | 0·48 | + 0·02 | | | | 0 | 36 | 59·9 | | | | Rounton. |
| | *a West Witton* | *605* | *69* | *26th* | *42* | *26th* | *65·0* | *48·1* | *56·0* | — | *98* | *0* | *3* | *0·16* | — | | | | 0 | 37 | 61·0 | | 53·2 | | *West Witton.* |
| | p Scarborough | 100 | 74 | 27th | 50 | 22-24, 26 | 65·4 | 51·8 | 58·1 | + 2·4 | 113 | 0 | 2 | 0·21 | - 0·21 | 7·3 | — | 43 | | | | | 56·1† | | Scarborough. |
| | p York | 56 | 73 | 27th | 45 | 26th | 67·4 | 50·4 | 58·3 | + 0·7 | 114 | 0 | 3 | 0·68 | + 0·18 | 7·1 | + 1·2 | 42 | | | 59·8 | +3·1 | 55·2 | +2·1 | York. |
| | | | | | | | | | | | | | | | | *4·7* | — | *28* | 0 | 40 | 59·7 | +2·4 | 53·1 | +1·0 | *Hull.* |
| b, South | a Spurn Head | 26 | 75 | 27th | 51 | 24, 26 | 66·4 | 52·7 | 59·1 | + 3·2 | 120 | 0 | 2 | 0·43 | + 0·07 | *7·9* | — | *47* | | | | | | | *Spurn Head.* |
| | a Lincoln | 58 | 76 | 27th | 44 | 24th | 69·1 | 50·9 | 59·4 | + 0·9 | 122 | 0 | 2 | 0·26 | - 0·20 | | | | | | 63·4 | +5·6 | 56·1 | +2·4 | Lincoln. |
| | a Fulbeck | 180 | 77 | 27th | 44 | 23, 24, 26 | 68·4 | 47·9 | 57·4 | - 0·6 | 108 | 0 | 2 | 0·06 | - 0·38 | 8·2 | — | 49 | 0 | 42 | 63·0 | +1·9 | 55·8 | +0·4 | Rauceby. |
| | | | | | | | | | | | | | | | | 8·3 | — | 50 | | | | | | | Skegness. |
| **3. ENGLAND, E.** | | | | | | | | | | | | | | | | *9·7* | — | *58* | 0 | 44 | 62·2 | +2·1 | 57·3 | +1·5 | *Lowestoft.* |
| | p Cromer | 196 | 76 | 27th | 48 | 23rd | 66·4 | 51·3 | 58·3 | + 2·0 | 114 | 0 | 3 | 0·51 | — | 7·6 | — | 46 | | | | | | | Cromer. |
| | p Little Massingham | 280 | 75 | 27th | 44 | 24th | 67·6 | 48·9 | 57·6 | - 0·1 | 109 | 0 | 4 | 0·76 | + 0·23 | 7·6 | + 1·0 | 46 | 0 | 44 | | | | | Lit. Massingham. |
| a, North | a Yarmouth | 17 | 70 | 25th | 48 | 24th | 65·7 | 53·9 | 59·4 | + 2·6 | 122 | 0 | 3 | 0·10 | - 0·32 | 9·6 | — | 58 | | | 63·4 | +1·1 | 58·0 | - 0·2 | Yarmouth. |
| | a Norwich | 93 | 78 | 27th | 46 | 27th | 69·7 | 50·6 | 59·5 | + 2·5 | 123 | 0 | 3 | 0·12 | — | *8·1* | — | *49* | 0 | 41 | 62·2 | | | | *Norwich.* |
| | a Gelderston | 37 | 75 | 27th | 41 | 27th | 69·4 | 49·7 | 58·9 | + 1·7 | 118 | 0 | 2 | 0·04 | - 0·39 | 8·9 | + 2·0 | 54 | | | | | | | Gelderston. |
| | p Cambridge | 41 | 77 | 27th | 43 | 26th | 69·4 | 47·9 | 57·9 | - 1·0 | 111 | 0 | 2 | 0·43 | - 0·05 | 8·4 | + 1·8 | 51 | 0 | 35 | 61·8 | +1·9 | 57·1 | +0·9 | Cambridge. |
| | *a Felixstowe* | *10* | *74* | *25th* | *47* | *24th* | *66·9* | *51·9* | *58·9* | + *1·9* | *118* | *0* | *2* | *0·46* | — | *9·8* | — | *60* | | | | | | | *Felixstowe.* |
| | a Clacton-on-Sea | 54 | 73 | 25th | 46 | 24th | 67·3 | 52·4 | 59·3 | + 1·6 | 121 | 0 | 0 | 0·00 | — | 8·9 | — | 54 | 0 | 42 | 60·4 | +1·5 | 57·0 | +0·5 | Clacton. |
| b, South | a Rothamsted | 424 | 75 | 27th | 43 | 24th | 69·3 | 48·1 | 58·0 | + 0·5 | 112 | 0 | 2 | 0·17 | - 0·33 | 9·9 | + 3·5 | 60 | | | | | | | Rothamsted. |
| | *a Shoeburyness* | *13* | *75* | *25, 27* | *48* | *24, 27* | *69·9* | *51·9* | *60·3* | + *0·4* | *128* | *0* | *2* | *0·13* | - *0·27* | *10·1* | — | *62* | 0 | 45 | 65·0 | +3·7 | | | *Southend.* |
| | p Tottenham | 51 | 79 | 27th | 49 | 24, 27 | 71·6 | 52·1 | 61·2 | + 2·9 | 134 | 0 | 1 | 0·04 | — | 10·0 | — | 61 | 0 | 39 | | | 58·8 | +1·7 | Tottenham. |
| **4. MIDLAND COUNTIES.** | | | | | | | | | | | | | | | | | | | | | | | | | |
| | a Harrogate | 476 | 70 | 27th | 42 | 26th | 65·1 | 48·1 | 56·0 | + 0·3 | 98 | 0 | 3 | 0·30 | - 0·24 | *7·3* | — | *43* | 0 | 39 | 60·2 | +2·5 | 52·8 | +0·8 | *Huddersfield.* |
| | a Bawtry | 65 | 76 | 27th | 45 | 26th | 69·0 | 50·0 | 58·8 | + 0·9 | 118 | 0 | 3 | 0·07 | - 0·36 | 8·2 | — | 49 | 0 | 35 | 57·7 | +3·3 | 55·2 | +2·6 | Harrogate. |
| | *p Buxton* | *987* | *68* | *27th* | *43* | *26th* | *63·4* | *47·3* | *54·8* | + *1·4* | *90* | *0* | *4* | *0·61* | - *0·12* | 8·3 | + 2·8 | 50 | 0 | 37 | 60·1 | | 56·1 | | Worksop. |
| a, East | a Nottingham | 82 | 76 | 27th | 44 | 26th | 68·7 | 49·6 | 58·5 | + 0·7 | 116 | 0 | 2 | 0·12 | - 0·34 | *7·4* | — | *44* | 0 | 36 | 56·3 | +0·3 | 50·5 | - 0·4 | *Buxton.* |
| | p Birmingham, Edgbsn. | 535 | 73 | 27th | 47 | 24, 26 | 67·3 | 50·3 | 58·2 | + 1·2 | 113 | 0 | 2 | 0·11 | - 0·39 | 9·3 | — | 56 | 0 | 38 | 61·9 | +3·7 | 56·5 | +1·9 | Nottingham. |
| | a Raunds | 203 | 79 | 27th | 42 | 26th | 71·9 | 48·0 | 59·1 | + 1·0 | 120 | 0 | 2 | 0·04 | — | 8·5 | — | 51 | 0 | 38 | 55·6 | +2·3 | 51·2 | +1·1 | Birmingham. |
| | p Oxford | 208 | 76 | 27th | 44 | 24th | 70·1 | 50·4 | 59·6 | + 0·9 | 123 | 0 | 2 | 0·24 | - 0·27 | *9·3* | — | *57* | 0 | 35 | 62·4 | | 54·8 | | *Raunds.* |
| | | | | | | | | | | | | | | | | 9·5 | + 3·0 | 58 | 0 | 39 | | | | | Oxford. |
| | | | | | | | | | | | | | | | | 8·9 | — | 53 | 0 | 42 | 58·8 | +2·6 | 52·7 | +1·2 | Sheffield. |
| | a Cheadle | 646 | 76 | 27th | 46 | 26th | 66·6 | 50·7 | 58·1 | + 2·2 | 113 | 0 | 3 | 0·26 | - 0·34 | | | | 0 | 46 | | | | | Cheadle. |
| | p Shrewsbury | 191 | 73 | 27th | 40 | 26th | 67·3 | 48·6 | 56·2 | - 1·5 | 99 | 0 | 3 | 0·83 | — | | | | 0 | 41 | | | | | Shrewsbury. |
| b, West | a Hereford§ | 291 | 75 | 27th | 39 | 26th | 69·4 | 47·0 | 57·4 | - 1·9 | 108 | 0 | 2 | 0·05 | - 0·45 | *10·6* | — | *64* | 0 | 37 | 62·0 | | 58·2 | | *Malvern.§* |
| | a Cirencester | 446 | 74 | 25, 27 | 47 | 24th | 69·8 | 50·3 | 59·4 | + 2·5 | 122 | 0 | 1 | 0·02 | - 0·52 | 8·0 | + 1·5 | 49 | 0 | 38 | 59·2 | | 55·6 | | Cirencester. |
| | a Bath | 66 | 73 | 25-27 | 43 | 24th | 69·1 | 49·0 | 58·4 | 0·0 | 115 | 0 | 3 | 0·57 | + 0·03 | 9·0 | — | 55 | | | | | | | Bath. |
| **5. ENGLAND, S.E.** | | | | | | | | | | | | | | | | | | | | | | | | | |
| | p Kew | 18 | 78 | 27th | 47 | 24th | 71·0 | 51·6 | 60·6 | + 1·9 | 130 | 0 | 3 | 0·12 | - 0·38 | 8·8 | + 2·3 | 54 | 0 | 40 | 63·8 | +4·9 | 58·5 | +1·6 | Canterbury. |
| | a Marlborough | 424 | 75 | 27th | 37 | 24th | 69·9 | 45·1 | 56·6 | - 0·3 | 102 | 0 | 2 | 0·22 | - 0·35 | 9·8 | + 3·8 | 60 | 0 | 33 | 61·6 | +2·0 | 56·2 | +1·1 | Kew. |
| | a Margate | 35 | 71 | 25th | 52 | 23, 24 | 67·1 | 54·1 | 60·2 | + 1·9 | 127 | 0 | 2 | 1·18 | + 0·76 | 8·8 | + 2·6 | 54 | 0 | 37 | 61·2 | +2·0 | 56·2 | +1·1 | Margate. |
| | a Wisley, Surrey | 150 | 79 | 27th | 41 | 27th | 71·7 | 47·7 | 58·9 | - 0·8 | 118 | 0 | 3 | 0·12 | — | 9·2 | — | 56 | 0 | 31 | 61·3 | +1·6 | 56·4 | +0·1 | Wisley. |
| | | | | | | | | | | | | | | | | 11·0 | — | 68 | 0 | 43 | 63·1 | +1·7 | 58·0 | +1·3 | Worthing. |
| | p Salisbury (Wilton) | 180 | 77 | 27th | 40 | 24th | 71·0 | 47·6 | 58·5 | - 0·9 | 116 | 0 | 0 | 0·00 | - 0·50 | | | | 0 | 38 | 62·9 | | | | Salisbury. |
| | a Tunbridge Wells | 418 | | | | | | | | | | | | | | | | | | | | | | | Tunbridge Wells. |
| | a Dungeness | 21 | 67 | 27th | 46 | 24th | 64·4 | 53·6 | 58·6 | + 0·9 | 116 | 0 | 2 | 0·29 | - 0·05 | 11·1 | — | 68 | | | | | | | Littlestone. |
| | p Hastings.. | 178 | 70 | 27th | 52 | 24th | 65·7 | 53·7 | 59·3 | + 1·2 | 121 | 0 | 2 | 0·28 | - 0·16 | *10·6* | + *3·0* | *65* | 0 | 46 | 63·2 | | 58·0 | | *Hastings.* |
| | p Southampton | 65 | 76 | 25, 27 | 45 | 24th | 70·1 | 51·3 | 60·1 | - 0·2 | 127 | 0 | 2 | 0·46 | - 0·31 | 10·6 | + 3·6 | 65 | 0 | 41 | | | | | Southampton. |
| | a Ventnor | 80 | 70 | 25, 27 | 49 | 24th | 66·4 | 53·1 | 59·3 | + 0·2 | 121 | 0 | 1 | 0·01 | - 0·44 | 10·8 | + 4·3 | 66 | | | | | | | Ventnor. |
| | | | | | | | | | | | | | | | | *10·2* | — | *63* | 0 | 44 | 65·4 | +3·9 | 60·7 | +2·8 | *Portsmouth.* |
| | | | | | | | | | | | | | | | | 10·7 | + 3·3 | 66 | | | 62·5 | | 58·2 | | Eastbourne. |
| | | | | | | | | | | | | | | | | *11·2* | — | *68* | | | 62·2 | | 59·5 | | *Bournemouth.* |
| | | | | | | | | | | | | | | | | *10·0* | — | *61* | 0 | 45 | | | 59·6 | | *Brighton.* |
| LONDON. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | *a Westminster* | *27* | *78* | *27th* | *46* | *24th* | *70·6* | *52·2* | *60·8* | + *1·4* | *138* | *0* | *2* | *0·31* | - *0·19* | *9·6* | + *4·0* | *59* | 0 | 42 | | | | | *Westminster.* |
| | *a Greenwich* | *155* | *81* | *27th* | *46* | *24, 27* | *73·0* | *49·4* | *60·4* | + *0·4* | *129* | *0* | *2* | *0·37* | - *0·20* | *10·1* | + *3·4* | *62* | 0 | 36 | | | | | *Greenwich.* |
| | *a Hampstead* | *450* | *77* | *27th* | *45* | *24th* | *71·2* | *50·0* | *59·9* | — | *125* | *0* | *3* | *0·15* | — | *9·8* | — | *60* | 0 | 38 | | | | | *Hampstead.* |
| | *a Camden Square* | *110* | *82* | *27th* | *46* | *24th* | *74·9* | *51·1* | *62·2* | — | *141* | *0* | *3* | *0·16* | — | *9·0* | — | *55* | 0 | 43 | | | | | *Camden Square.* |
| | | | | | | | | | | | | | | | | *5·4* | — | *32* | 0 | 34 | 58·2 | +2·2 | 53·1 | +1·3 | *Burnley.* |
| | | | | | | | | | | | | | | | | 7·2 | — | 43 | | | | | | | Hoylake. |
| **7. a, ENGLAND, N.W.** | | | | | | | | | | | | | | | | | | | | | | | | | |
| | p Aspatria | 250 | 66 | 26th | 44 | 26th | 62·9 | 48·3 | 55·1 | - 0·4 | 92 | 0 | 3 | 0·14 | - 0·44 | 6·7 | — | 39 | | | 59·4 | | 53·2 | | Aspatria. |
| | p Newton Rigg | 559 | 67 | 26th | 38 | 26th | 63·1 | 46·4 | 54·2 | - 0·5 | 85 | 0 | 4 | 0·24 | - 0·25 | 7·6 | + 0·7 | 45 | 2 | 26 | 60·5 | +3·2 | 54·2 | +1·6 | Newton Rigg. |
| | p Stonyhurst | 375 | 65 | 26, 27 | 46 | 27th | 61·7 | 50·3 | 55·6 | - 0·8 | 95 | 0 | 4 | 0·66 | - 0·04 | 6·6 | + 0·1 | 39 | 0 | 32 | | | | | Stonyhurst. |
| | p Blackpool | 66 | 65 | 26th | 47 | 27th | 61·7 | 52·0 | 56·5 | - 0·5 | 102 | 0 | 3 | 0·13 | - 0·37 | 7·5 | + 0·9 | 44 | 0 | 35 | 59·9 | | 54·0 | | Blackpool. |
| | p Manchester (Whit. Pk.) | 125 | 70 | 26th | 44 | 26th | 64·3 | 50·6 | 57·0 | - 0·8 | 105 | 0 | 4 | 1·05 | + 0·53 | *5·8* | + *0·5* | *35* | | | | | | | *Whit. Park.* |
| | a Liverpool (Bidston) | 188 | 66 | 26, 27 | 48 | 23rd | 62·0 | 51·1 | 56·2 | - 1·0 | 99 | 0 | 2 | 0·79 | + 0·26 | *7·9* | — | *47* | | | | | | | *Liverpool.* |
| | *a Hawarden Bridge* | *22* | *71* | *27th* | *48* | *26th* | *64·3* | *51·9* | *57·7* | - *0·2* | *110* | *0* | *2* | *0·06* | - *0·38* | *7·7* | — | *46* | 0 | 37 | 63·0 | +2·2 | 59·0 | +1·6 | *Southport.* |
| | | | | | | | | | | | | | | | | *5·3* | — | *32* | 0 | 37 | 60·0 | +2·4 | 57·2 | +2·5 | *Manchester (City).* |
| **b, NORTH WALES.** | | | | | | | | | | | | | | | | | | | | | | | | | |
| | p Llandudno | 71 | 67 | 24th | 47 | 26th | 64·1 | 50·9 | 57·0 | - 0·6 | 105 | 0 | 2 | 0·07 | - 0·38 | 7·4 | + 0·7 | 44 | | | | | | | Llandudno. |
| | a Holyhead | 57 | 66 | 26, 27 | 48 | 26th | 62·3 | 51·1 | 56·3 | 0·0 | 100 | 0 | 2 | 0·05 | - 0·45 | *8·4* | — | *50* | | | | | | | *Holyhead.* |
| | *Bettws-y-Coed* | 101 | *69* | *26th* | *40* | *26, 27* | *63·3* | *45·6* | *53·8* | - *3·2* | *83* | *0* | *2* | *0·24* | — | *5·6* | — | *34* | 0 | 39 | 55·3 | 0·0 | 53·3 | +0·1 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | | 7·7 | — | 46 | | | | | | | Aberdovey. |

* For note see also opposite page. † At 3 ft. ‖ Hoar frost. § The temperature on the grass refers to Hereford

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| Districts and Names of Stations reporting Temperature of Air and Rainfall. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average. | Stations reporting Sunshine and Temperature on the Grass and in the Ground. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in | hr | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Llangammarch Wells | 550 | 72 | 27th | 34 | 26th | 64·9 | 42·7 | 53·0 | − 3·4 | 77 | 0 | 3 | 0·07 | — | 7·8 | — | 47 | * | * | * | * | * | * | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 62 | 25–27 | 48 | 26th | 60·0 | 51·6 | 55·5 | − 0·6 | 95 | 0 | 2 | 0·06 | − 0·40 | 8·6 | + 1·1 | 52 | * | * | * | * | * | * | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 71 | 25, 26 | 44 | 24, 26 | 66·4 | 49·0 | 57·1 | − 1·8 | 106 | 0 | 2 | 0·25 | − 0·36 | *10·1* | — | *62* | 0 | 37 | 61·5 | +1·0 | 57·0 | +1·2 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 75 | 26th | 47 | 24th | 68·7 | 51·9 | 59·7 | + 0·8 | 124 | 0 | 2 | 0·84 | + 0·29 | *9·7* | — | *59* | 0 | 46 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 73 | 27th | 44 | 24th | 66·9 | 48·7 | 57·2 | + 0·3 | 106 | 0 | 3 | 0·16 | − 0·39 | * | * | * | * | * | 59·9 | * | 56·8 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 68 | 27th | 42 | 22nd | 63·3 | 46·7 | 54·4 | − 1·2 | 87 | 0 | 2 | 0·61 | − 0·12 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *63* | *27th* | *46* | *27th* | *60·3* | *50·7* | *55·2* | − *2·4* | *92* | *0* | *3* | *0·08* | − *0·34* | 6·7 | − 0·6 | 41 | 0 | 39 | 60·6 | * | 56·7 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 76 | 27th | 41 | 22, 24 | 69·4 | 47·1 | 57·5 | − 0·6 | 109 | 0 | 3 | 0·13 | − 0·37 | 7·8 | + 1·3 | 48 | 0 | 36 | 62·0 | * | * | * | Cullompton. |
| *a* Portland .. .. | 19 | 67 | 27th | 53 | 22nd | 61·9 | 54·4 | 57·9 | + 0·7 | 111 | 0 | 0 | 0·00 | — | *11·7* | — | *72* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 74 | 27th | 43 | 22nd | 66·6 | 50·4 | 57·9 | − 1·0 | 111 | 0 | 1 | 0·02 | − 0·48 | 7·3 | + 0·3 | 45 | 0 | 39 | 62·9 | +2·6 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 71 | 26, 27 | 46 | 22nd | 65·9 | 51·0 | 57·9 | + 0·1 | 111 | 0 | 2 | 0·17 | − 0·39 | 7·5 | 0·0 | 47 | 0 | 39 | 62·4 | * | 59·7 | * | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Malin Head .. .. | 208 | 66 | 26th | 48 | 26th | 58·6 | 49·9 | 54·0 | − 0·2 | 84 | 0 | 6 | 0·18 | − 0·33 | * | * | * | * | * | * | * | * | * | * |
| *a*, West .. *a* Blacksod Point .. | 37 | 60 | 23–26 | 42 | 21st | 58·9 | 48·6 | 53·4 | − 2·4 | 80 | 0 | 4 | 0·37 | − 0·24 | * | * | * | * | * | * | * | * | * | * |
| *p* Markree Castle .. | 122 | 68 | 26th | 39 | 26th | 61·4 | 45·1 | 52·7 | − 2·4 | 75 | 0 | 5 | 0·30 | − 0·37 | 5·0 | − 0·5 | 30 | 1 | 30 | 59·0 | * | 54·1 | * | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 70 | 26, 27 | 41 | 21st | 66·3 | 47·9 | 56·5 | − 0·2 | 102 | 0 | 2 | 0·12 | − 0·43 | *7·0* | + *1·4* | *42* | * | * | * | * | * | * | *Birr Castle.* |
| *b*, East .. *p* Armagh .. | 196 | 69 | 26th | 43 | 21st | 64·6 | 47·4 | 55·4 | − 0·6 | 94 | 0 | 4 | 0·11 | − 0·47 | 5·9 | + 0·2 | 35 | 0 | 41 | 59·2 | +1·3 | 55·7 | +1·5 | Armagh. |
| *a* Donaghadee .. .. | 40 | 64 | 26th | 46 | 24th | 60·1 | 49·0 | 54·2 | − 1·4 | 85 | 0 | 2 | 0·32 | − 0·21 | * | * | * | * | * | * | * | * | * | * |
| | | | | | | | | | | | | | | | * | * | * | 0 | 43 | 59·8 | +1·7 | 55·4 | +0·5 | *Trinity Coll.* |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 8·2 | + 1·7 | 49 | 0 | 35 | * | * | * | * | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 72 | 24th | 49 | 22, 23 | 66·7 | 51·9 | 58·8 | + 0·4 | 118 | 0 | 1 | 0·01 | − 0·43 | * | * | * | 0 | 47 | * | * | * | * | Dublin City. |
| *a*, East .. *a* Kilkenny .. | 212 | 73 | 24th | 45 | 21st | 67·4 | 49·9 | 58·0 | + 0·7 | 112 | 0 | 2 | 0·06 | − 0·50 | * | * | * | * | * | * | * | * | * | * |
| *a* Waterford .. .. | 20 | 72 | 27th | 45 | 21st | 67·6 | 49·6 | 58·0 | + 0·3 | 112 | 0 | 2 | 0·08 | − 0·57 | * | * | * | * | * | * | * | * | * | * |
| *a Seskin, Carrick-on-Suir* | *541* | *74* | *24th* | *43* | *21st* | *67·6* | *47·9* | *57·1* | — | *106* | *0* | *3* | *0·20* | — | *9·6* | — | *58* | 0 | 40 | * | * | * | * | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 70 | 26, 27 | 41 | 21st | 66·3 | 47·9 | 56·5 | − 0·2 | 102 | 0 | 2 | 0·12 | − 0·43 | 7·0 | + 1·4 | 42 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes .. .. .. | 50 | 69 | 26th | 47 | 21, 26 | 64·6 | 50·9 | 56·8 | − 0·7 | 104 | 0 | 3 | 0·40 | − 0·16 | * | * | * | * | * | * | * | * | * | * |
| *a* Cahir .. .. .. | 199 | 70 | 24, 26, 27 | 43 | 21st | 67·3 | 48·3 | 57·1 | + 0·1 | 106 | 0 | 1 | 0·11 | — | * | * | * | * | * | * | * | * | * | * |
| *b*, West .. *a* Killarney .. .. | 174 | 73 | 26th | 43 | 26th | 67·1 | 50·5 | 58·2 | + 1·3 | 113 | 0 | 3 | 0·53 | − 0·14 | * | * | * | * | * | * | * | * | * | * |
| *a* Valencia .. .. | 30 | 63 | 26th | 43 | 26th | 60·4 | 50·9 | 55·3 | − 1·8 | 93 | 0 | 5 | 0·48 | − 0·27 | 7·6 | + 1·3 | 46 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. .. | 32 | 68 | 27th | 49 | 21st | 64·1 | 52·0 | 57·6 | + 0·4 | 109 | 0 | 2 | 0·25 | − 0·39 | 9·1 | — | 56 | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 65 | 27th | 51 | 22, 23, 27 | 61·4 | 52·0 | 56·4 | − 1·6 | 101 | 0 | 4 | 0·28 | − 0·13 | 6·9 | − 1·2 | 43 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 78 | 27th | 51 | 22, 24 | 66·6 | 54·1 | 59·9 | + 0·6 | 125 | 0 | 2 | 0·28 | − 0·20 | 8·1 | 0·0 | 51 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 75 | 27th | 48 | 24th | 65·7 | 52·1 | 58·4 | − 0·1 | 115 | 0 | 3 | 0·38 | − 0·11 | 8·6 | + 0·4 | 53 | 0 | 42 | 61·4 | +0·4 | 58·1 | +0·5 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 10·6 hrs. 65 °/₀; Ramsgate, 9·0 hrs. 55 °/₀; Rhyl, 8·4 hrs. 50 °/₀; Salcombe, 9·1 hrs. 56 °/₀; Tenby, 9·2 hrs. (+1·6) 58 °/₀; Torquay, 8·3 hrs. (+0·6) 51 °/₀.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, June 27th.

Taken daily at or about sunrise and at 4 p.m.

| District and Station. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 52 | 51 | 51·3 | +1·8 |
| Kirkwall .. .. | 54 | 53 | 53·5 | +1·3 |
| Wick .. .. .. | 47 | 46 | 46·7 | −4·4 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 59 | 53 | 56·6 | +3·3 |
| Pennan Bay .. .. | 57 | 53 | 54·9 | +2·9 |
| Aberdeen, Cove Bay | 55 | 53 | 53·9 | +3·0 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 53 | 53 | 53·0 | +0·2 |
| Ballantrae .. .. | 63 | 57 | 59·6 | +6·9 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 54 | 49 | 51·6 | +1·5 |
| Scarborough .. .. | 54 | 50 | 52·2 | +0·1 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 53 | 51 | 52·1 | −4·4 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 63 | 60 | 60·7 | +1·8 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 57 | 53 | 54·0 | +1·7 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 58 | 57 | 57·9 | +0·4 |
| Scilly .. .. .. | 60 | 56 | 57·9 | — |
| Plymouth‡ .. .. | 61 | 58 | 59·1 | +2·6 |
| Salcombe .. .. | 60 | 56 | 58·1 | +3·1 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 58 | 55 | 57·0 | +0·9 |
| Teelin .. .. .. | 61 | 53 | 57·3 | −0·4 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 59 | 55 | 56·7 | +1·8 |
| Seafield .. .. | 62 | 57 | 59·2 | +2·1 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, June 27th.

| District and Station. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. | | — | — | — | — | 15 | 153 | NW. 8 | 25th 10h. | 18 25th 10. 0 |
| Aberdeen .. .. | 105 | — | — | — | — | 42 | 126 | NW. 11 | 25th 12h. | 17 25th 11. 35 |
| Rosyth .. .. | 73 | — | — | — | — | — | — | — — | — — | — — — |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 25th | 1 | 66 | 101 | NWbyW 11 | 25th 15h. | 16 25th 15. 15 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 41 | 127 | NWbyN. 9 | 25th 8h. | 19 25th 7. 50 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 6 | 162 | NWbyW. 7 | 25th 10h. | 14 25th 9. 35 |
| South Shields .. | 61 | — | — | — | — | 46 | 122 | WNW. 11 | 25th 9h. | 19 25th 8. 40 |
| Spurn Head .. | 40 | — | — | 25th | 1 | 79 | 83 | WNW. 12 | 25th 9h. | 16 23rd 9. 30 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | — | — | 53 | 115 | — 10 | 22nd 15h. | 13 22nd 14. 55 |
| Shoeburyness .. | 90 | — | — | — | — | 34 | 134 | SW. by S. 8 | 21st 16h. | 16 23rd 17. 25 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | Records discontinued after March 14. | | | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 22, 23 | 3 | 63 | 102 | — 12 | 23rd 15h. | 17 23rd 15. 15 |
| Warlingham .. | 33 | — | — | — | — | 14 | 154 | — 8 | 21st 15h. | 15 21st 15. 30 |
| Brighton .. .. | 53 | — | — | — | — | 50 | 118 | — 9 | 23rd 13h. | 17 23rd 12. 35 |
| Kew .. .. .. | 40 | — | — | — | — | 6 | 162 | E. by S. 6 | 26th 17h. | 11 21st 18. 5 |
| South Kensington | 92 | — | — | — | — | — | 168 | E. 5 | 26th 16h. | 10 22nd 17. 30 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | 11 | 157 | W. 8 | 25th 14h. | 13 25th 13. 55 |
| Southport .. .. | 62 | — | — | 23, 25 | 9 | 85 | 74 | WNW. 12 | 25th 8h. | 16 25th 8. 10 |
| Holyhead .. .. | 40 | — | — | — | — | 83 | 85 | SWbyS. 9 | 22nd 10h. | 13 22nd 10. 10 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle .. | 65 | — | — | — | — | 76 | 92 | WSW. 10 | 22nd 14h. | 15 22nd 16. 50 |
| Plymouth .. .. | 88 | — | — | — | — | 12 | 153 | — 7 | 23rd 11h. | 10 22nd 13. 25 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 22, 24 | 3 | 122 | 43 | — 12 | 24th 16h. | 17 24th 16. 15 |
| Roches Point .. | 30 | — | — | — | — | 31§ | 133§ | — 10 | 21st 20h. | 14 21st 16. 15 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly .. .. .. | 19 | — | — | — | — | 34§ | 133§ | WNW. 10 | 21st 2h. | 13 22nd 14. 20 |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907–1911, but in some cases for 1908–1911, or 1909–1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**TWENTY-FIFTH WEEK**—June 21st to June 27th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| **0.** SCOTLAND, NORTH ... | 65 | 42 | 59·2 | 48·7 | 53·6 | + 0·2 | 81 | + 1 | 0 | 0 | 5 | + 1 | 0·55 | −0·14 | 5·2 | +0·3 | 29 | 1015 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 76 | 37 | 65·1 | 47·7 | 55·8 | + 1·0 | 97 | + 7 | 0 | 0 | 3 | 0 | 0·34 | −0·20 | 8·2 | +2·2 | 47 | 1016 |
| **2.** ENGLAND, N.E. ... .. | 77 | 41 | 66·9 | 49·6 | 57·7 | + 1·7 | 110 | + 12 | 0 | 0 | 2 | − 2 | 0·40 | −0·02 | 7·8 | +1·6 | 46 | 1019 |
| **3.** ENGLAND, EAST ... | 79 | 41 | 68·5 | 50·5 | 58·9 | + 1·1 | 118 | + 8 | 0 | 0 | 2 | − 1 | 0·24 | −0·19 | 8·9 | +2·1 | 53 | 1020 |
| **4** MIDLAND COUNTIES ... | 79 | 39 | 68·6 | 49·1 | 58·2 | + 0·6 | 113 | + 4 | 0 | 0 | 2 | − 1 | 0·24 | −0·24 | 8·7 | +2·6 | 53 | 1020 |
| **5.** ENGLAND, S.E. ... ... | 79 | 37 | 68·6 | 50·9 | 59·1 | + 0·6 | 120 | + 4 | 0 | 0 | 2 | 0 | 0·26 | −0·14 | 10·1 | +3·1 | 62 | 1021 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 68 | 39 | 61·7 | 47·2 | 54·0 | − 2·0 | 84 | − 14 | 0 | 0 | 3 | − 1 | 0·24 | −0·48 | 6·6 | +0·3 | 38 | 1018 |
| **7.** ENGLAND, N.W. ... ... | 70 | 38 | 62·8 | 50·1 | 56·0 | − 1·0 | 98 | − 7 | 0 | 0 | 3 | 0 | 0·39 | −0·19 | 7·2 | +0·9 | 43 | 1021 |
| **8.** ENGLAND, S.W. ... ... | 76 | 34 | 65·4 | 49·4 | 56·8 | − 0·8 | 104 | − 5 | 0 | 0 | 2 | − 2 | 0·23 | −0·31 | 7·7 | +0·9 | 47 | 1022 |
| **9.** IRELAND, NORTH ... | 70 | 39 | 61·7 | 48·0 | 54·4 | − 1·6 | 87 | − 10 | 0 | 0 | 4 | 0 | 0·23 | −0·43 | 5·5 | −0·1 | 32 | 1019 |
| **10.** IRELAND, SOUTH ... | 73 | 41 | 65·7 | 50·1 | 57·4 | 0·0 | 108 | 0 | 0 | 0 | 2 | − 2 | 0·23 | −0·40 | 8·0 | +2·0 | 48 | 1022 |
| **11.** ENGLISH CHANNEL ... | 78 | 48 | 64·6 | 52·7 | 58·2 | − 0·3 | 113 | − 2 | 0 | 0 | 3 | 0 | 0·31 | −0·10 | 7·9 | −0·3 | 49 | 1023 |

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 4 Weeks, May 31st to June 27th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 78 | 37 | * | * | * | * | 295 | + 15 | 0 | − 4 | 13 | − 2 | 1·25 | −1·18 | 5·6 | +0·2 | 32 | 1018 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 88 | 31 | * | * | * | * | 341 | + 29 | 0 | − 3 | 11 | − 2 | 1·22 | −0·75 | 6·9 | +0·8 | 40 | 1018 |
| **2.** ENGLAND, N.E. ... ... | 79 | 33 | * | * | * | * | 368 | + 30 | 0 | 0 | 10 | − 2 | 2·68 | +0·98 | 7·2 | +1·0 | 43 | 1017 |
| **3.** ENGLAND, EAST ... | 82 | 38 | * | * | * | * | 411 | + 20 | 0 | 0 | 11 | 0 | 1·82 | −0·13 | 7·7 | +0·9 | 47 | 1017 |
| **4.** MIDLAND COUNTIES ... | 80 | 35 | * | * | * | * | 417 | + 26 | 0 | − 1 | 9 | − 2 | 2·16 | +0·24 | 7·2 | +1·1 | 44 | 1017 |
| **5.** ENGLAND, S.E. ... ... | 79 | 36 | * | * | * | * | 433 | + 14 | 0 | 0 | 9 | − 1 | 1·25 | −0·58 | 8·3 | +1·4 | 51 | 1017 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 79 | 35 | * | * | * | * | 372 | + 23 | 0 | − 1 | 11 | − 2 | 0·86 | −1·69 | 7·2 | +0·7 | 42 | 1018 |
| **7.** ENGLAND, N.W. ... ... | 77 | 36 | * | * | * | * | 389 | + 17 | 0 | 0 | 10 | − 2 | 1·72 | −0·27 | 7·1 | +0·4 | 43 | 1018 |
| **8.** ENGLAND, S.W. ... ... | 78 | 34 | * | * | * | * | 413 | + 16 | 0 | 0 | 11 | − 2 | 2·05 | −0·01 | 6·8 | −0·1 | 42 | 1018 |
| **9.** IRELAND, NORTH ... | 78 | 35 | * | * | * | * | 338 | − 9 | 0 | 0 | 11 | − 3 | 1·22 | −1·15 | 5·6 | −0·3 | 33 | 1020 |
| **10.** IRELAND, SOUTH ... | 80 | 39 | * | * | * | * | 417 | + 27 | 0 | 0 | 9 | − 4 | 1·02 | −1·31 | 6·6 | +0·2 | 40 | 1020 |
| **11.** ENGLISH CHANNEL ... | 78 | 42 | * | * | * | * | 419 | 0 | 0 | 0 | 10 | − 3 | 1·33 | −0·43 | 6·8 | −1·2 | 42 | 1018 |

THE YEAR.—Aggregates, &c., for the Period of 25 Weeks, January 4th, 1914, to June 27th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 78 | 16 | * | * | * | * | 744 | + 76 | 391 | −166 | 115 | 0 | 23·53 | +0·82 | 3·4 | −0·1 | 27 | 1008 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 928 | +152 | 492 | −128 | 94 | + 1 | 13·15 | +0·40 | 4·2 | +0·2 | 34 | 1010 |
| **2.** ENGLAND, N.E. ... ... | 79 | 24 | * | * | * | * | 1090 | +273 | 299 | −176 | 85 | − 1 | 9·63 | −0·12 | 4·5 | +0·3 | 37 | 1012 |
| **3.** ENGLAND, EAST ... | 82 | 19 | * | * | * | * | 1192 | +198 | 299 | −222 | 81 | − 3 | 10·39 | +0·58 | 5·0 | +0·6 | 40 | 1014 |
| **4.** MIDLAND COUNTIES ... | 80 | 15 | * | * | * | * | 1213 | +191 | 367 | −166 | 83 | + 1 | 10·39 | −0·74 | 4·3 | +0·3 | 35 | 1014 |
| **5.** ENGLAND, S.E. ... ... | 79 | 10 | * | * | * | * | 1265 | +174 | 240 | −141 | 83 | + 4 | 13·06 | +2·08 | 5·2 | +0·8 | 42 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 79 | 18 | * | * | * | * | 965 | +100 | 317 | −108 | 106 | + 7 | 19·55 | −0·21 | 4·0 | 0·0 | 32 | 1010 |
| **7.** ENGLAND, N.W. ... ... | 77 | 22 | * | * | * | * | 1090 | +176 | 227 | −159 | 92 | + 2 | 13·88 | +0·10 | 4·3 | +0·2 | 35 | 1013 |
| **8.** ENGLAND, S.W. ... ... | 78 | 19 | * | * | * | * | 1236 | +163 | 192 | −109 | 96 | + 6 | 18·72 | +3·06 | 4·7 | +0·2 | 38 | 1014 |
| **9.** IRELAND, NORTH ... | 78 | 25 | * | * | * | * | 1016 | + 86 | 246 | − 99 | 110 | + 4 | 17·21 | +1·43 | 3·8 | −0·1 | 31 | 1011 |
| **10.** IRELAND, SOUTH ... | 80 | 24 | * | * | * | * | 1259 | +137 | 174 | − 85 | 106 | +10 | 17·85 | +0·59 | 4·4 | +0·1 | 36 | 1013 |
| **11.** ENGLISH CHANNEL ... | 78 | 25 | * | * | * | * | 1418 | +175 | 72 | − 37 | 93 | − 4 | 14·71 | +1·53 | 5·1 | −0·2 | 42 | 1015 |

M.O., July 1, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH: or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) } No. 26. TWENTY-SIXTH WEEK, SUNDAY, JUNE 28TH, TO SATURDAY, JULY 4TH, 1914. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

Until late on June 30th the pressure distribution was mainly anticyclonic, and the winds light and variable or South-Westerly, but on the dispersal of the high pressure system shallow depressions appeared over the United Kingdom, causing severe thunderstorms over a large portion of England and in some Scottish localities, the accompanying rain being unusually heavy at many stations. At Clifton, Bristol, the fall on July 1st was 1·5 in., 1·1 in. of which fell in about 20 minutes. At Harrogate 1·8 in. fell on July 1st, and 0·9 in. on July 2nd, while at York the rain for the two days was 1·9 in. and 1·4 in. At Bradford July 1st gave 2·0 in., and at Claverley 1·9 in. fell in 3 hours. On the 2nd there was a downpour of 2·0 in. at Shrewsbury, 1·3 in. at Scarborough, and 1·1 in. at Hull. More than an inch was also recorded in some parts of Scotland and Wales on July 1st, as much as 1·3 in. falling at Glasgow. In the south and south-east of England thunderstorms were rare and the rainfall mostly slight.

The thermometer reached 90° in London and also at Wisley on the 1st, but the change to a lower temperature which occurred with a shift of wind to the North-Westward on the 2nd was very marked and sudden. At the end of the week a ridge of relatively high pressure was travelling eastward across these Islands, and while rain was falling in Ireland and the south-west of England, the weather was generally fine elsewhere.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | 0. Scotland, N. | 1. Scotland, E. | 2. England, N.E. | 3. England, E. | 4. Midland Counties. | 5. England, S.E. | 6. Scotland, W. | 7. England, N.W. | 8. England, S.W. | 9. Ireland, N. | 10. Ireland, S. | 11. English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Unusual | Very unusual | Very unusual | Very unusual | Very unusual | Moderate | Unusual | Unusual | Moderate | Moderate | Unusual |
| | Rainfall ... | Moderate | Heavy | Very heavy | Moderate | Very heavy | Moderate | Moderate | Heavy | Very heavy | Moderate | Heavy | Heavy |
| | Sunshine ... | Moderate | Moderate | Moderate | Abundant | Abundant | Abundant | Scanty | Moderate | Moderate | Scanty | Moderate | Moderate |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 5 weeks from May 31st, 1914. | Warmth ... | 1 * 0 | 2 * 1 | 3 * 0 | 2 * 0 | 2 * 0 | 2 * 0 | 1 * 1 | 2 * 0 | 2 * 0 | 1 * 1 | 1 * 0 | 2 * 1 |
| | Rainfall ... | 0 * 1 | 1 * 2 | 2 * 1 | 1 * 1 | 2 * 2 | 0 * 1 | 0 * 3 | 2 * 1 | 2 * 2 | 0 * 3 | 1 * 2 | 2 * 1 |
| | Sunshine ... | 1 * 0 | 2 * 0 | 2 * 1 | 3 * 1 | 3 * 1 | 3 * 0 | 1 * 1 | 2 * 1 | 1 * 2 | 1 * 2 | 2 * 1 | 0 * 2 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| | Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| | Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| | Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3 * 1 | 6 * 0 | 8 * 1 | 8 * 2 | 6 * 1 | 7 * 1 | 5 * 3 | 5 * 1 | 8 * 1 | 6 * 3 | 6 * 2 | 9 * 1 |
| | Rainfall ... | 5 * 2 | 5 * 5 | 4 * 6 | 4 * 5 | 4 * 5 | 5 * 4 | 6 * 4 | 4 * 5 | 7 * 6 | 5 * 5 | 4 * 6 | 6 * 5 |
| | Sunshine ... | 4 * 4 | 4 * 2 | 3 * 2 | 6 * 5 | 4 * 5 | 4 * 1 | 4 * 2 | 4 * 2 | 4 * 2 | 4 * 4 | 4 * 4 | 4 * 4 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(1768—19) Wt. 229—611. 450. 7/14. D & S. G. 3.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | **Temperature of the Air.** In Degrees Fahrenheit. | | | | | | | | | **Rainfall.** | | | **Bright Sunshine.** Hours per Day. | | | **Ground Temperature.** | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Average | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| **0.** SCOTLAND, N. | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| *p Baltasound* | *31* | *67* | *30, 1* | *38* | *29th* | *63·1* | *46·9* | *54·4* | — | *87* | *0* | *4* | *0·82* | — | *4·5* | — | *24* | * | * | 54·1 | * | * | * | *Baltasound.* |
| *a* Lerwick | 54 | 62 | 30th | 45 | 29th | 57·3 | 48·0 | 52·3 | + 2·1 | 72 | 0 | 5 | 1·28 | — | 4·6 | - 0·3 | 25 | * | * | * | * | * | * | Deerness. |
| *a*, Islands .. *a* Stornoway | 51 | 65 | 4th | 42 | 4th | 60·9 | 48·4 | 54·2 | + 1·2 | 85 | 0 | 5 | 0·26 | - 0·33 | 4·9 | - 1·0 | 27 | * | * | * | * | * | * | Stornoway. |
| *a Castlebay, Barra Isd.* .. | *37* | *59* | *4th* | *48* | 3rd | *56·9* | *50·4* | *53·4* | *0·0* | *80* | *0* | *5* | *1·24* | — | *4·4* | — | *25* | * | * | * | * | * | * | *Castlebay.* |
| *a* Wick | 81 | 70 | 30th | 45 | 29th | 61·6 | 47·9 | 54·3 | + 1·6 | 86 | 0 | 5 | 0·65 | + 0·15 | * | * | * | * | * | * | * | * | * | |
| *p* Strathpeffer | 200 | 70 | 30th | 40 | 4th | 65·9 | 49·1 | 56·9 | + 2·2 | 104 | 0 | 4 | 0·16 | - 0·34 | 3·8 | - 1·2 | 22 | * | * | * | * | * | * | Strathpeffer. |
| *b*, Main- *p* Glencarron | 500 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | |
| land. *p* Fort Augustus | 68 | 69 | 4th | 38 | 4th | 63·9 | 49·3 | 56·1 | + 1·4 | 99 | 0 | 5 | 0·40 | - 0·12 | 3·2 | - 1·0 | 18 | * | * | * | * | * | * | Fort Augustus. |
| *p* Fort William | 175 | 69 | 4th | 38 | 4th | 62·4 | 47·7 | 54·5 | - 1·3 | 88 | 0 | 6 | 0·70 | - 0·24 | * | * | * | * | * | * | * | * | * | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | 5·6 | — | 32 | 0 | 38 | 60·9 | +5·2 | 54·3 | +1·9 | Crathes S. |
| *p* Gordon Castle | 101 | 76 | 30th | 43 | 4th | 67·4 | 48·3 | 57·2 | + 1·7 | 106 | 0 | 4 | 0·91 | + 0·37 | *5·9* | — | *33* | * | * | * | * | * | * | *Gordon Castle.* |
| *a* Nairn | 82 | 74 | 29, 30 | 39 | 4th | 68·0 | 49·0 | 57·8 | + 2·8 | 111 | 0 | 4 | 0·69 | + 0·25 | 5·7 | — | 32 | * | * | * | * | * | * | Nairn. |
| *a* Aberdeen | 46 | 79 | 30th | 46 | 4th | 67·0 | 52·3 | 59·1 | + 4·4 | 120 | 0 | 4 | 0·99 | + 0·49 | 6·3 | + 0·3 | 36 | * | * | * | * | 53·4 | +2·4 | Aberdeen. |
| *a* Balmoral | 930 | 78 | 29th | 38 | 1st | 71·3 | 47·1 | 58·4 | + 5·2 | 115 | 0 | 4 | 1·57 | + 1·07 | * | * | * | 0 | 34 | * | * | * | * | Balmoral. |
| *p* Crieff | 432 | 75 | 29th | 42 | 4th | 67·6 | 49·4 | 57·9 | + 1·3 | 111 | 0 | 3 | 1·43 | + 0·77 | 6·8 | — | 39 | * | * | * | * | * | * | Balruddery. |
| *a* Leith | 18 | 74 | 30th | 44 | 4th | 67·3 | 51·7 | 59·0 | + 2·3 | 119 | 0 | 3 | 0·75 | + 0·26 | * | * | * | * | * | * | * | * | * | |
| *a* West Linton | 800 | 71 | 30th | 30 | 4th | 64·9 | 46·6 | 55·1 | + 1·0 | 92 | 0 | 4 | 1·04 | — | *4·1* | — | *24* | 1 | 26 | * | * | * | * | *West Linton.* |
| *p* Marchmont | 498 | 76 | 29th | 43 | 4th | 68·4 | 51·1 | 59·2 | + 4·6 | 120 | 0 | 1 | 0·21 | - 0·37 | 5·7 | + 0·9 | 41 | 0 | 38 | 61·0 | +4·9 | * | * | Marchmont. |
| *a Edinburgh* | *441* | *74* | *30th* | *47* | *4th* | *66·3* | *51·9* | *58·6* | — | *116* | *0* | *3* | *0·74* | — | 5·7 | — | 33 | 0 | 37 | * | * | * | * | Edinburgh. |
| **6.** *a*, SCOTLAND, W. | | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | |
| *a* Poltalloch | 132 | 65 | 30th | 39 | 4th | 61·1 | 48·9 | 54·6 | - 2·0 | 88 | 0 | 6 | 0·88 | + 0·08 | * | * | * | * | * | * | * | * | * | |
| *p* Glasgow Observatory | 180 | 69 | 30th | 43 | 4th | 64·1 | 50·7 | 56·9 | + 0·8 | 104 | 0 | 5 | 1·55 | + 0·92 | 3·2 | - 2·1 | 19 | 0 | 32 | * | * | * | * | Glasgow. |
| *p* Rothesay | 90 | 67 | 29th | 40 | 4th | 62·4 | 47·6 | 54·5 | - 2·3 | 88 | 0 | 5 | 0·45 | - 0·31 | *3·3* | — | *19* | 0 | 36 | 58·9 | * | * | * | *Rothesay.* |
| *a* Kilmarnock | 90 | 72 | 30th | 38 | 4th | 65·7 | 49·1 | 56·8 | + 0·1 | 104 | 0 | 3 | 1·01 | — | *4·5* | — | *26* | * | * | * | * | * | * | *Kilmarnock.* |
| *a* Colmonell | 150 | 76 | 29th | 38 | 4th | 66·6 | 49·1 | 57·2 | + 0·9 | 106 | 0 | 5 | 0·44 | - 0·17 | * | * | * | 0 | 36 | * | * | * | * | |
| *p* Dumfries | 180 | 76 | 1st | 40 | 4th | 68·0 | 52·0 | 59·4 | + 1·9 | 122 | 0 | 2 | 0·77 | + 0·19 | 5·7 | — | *34* | 0 | 35 | 60·8 | * | 57·2 | * | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 70 | 30, 1 | 39 | 4th | 67·1 | 50·0 | 58·0 | + 1·3 | 112 | 0 | 4 | 0·85 | + 0·14 | * | * | * | * | * | * | * | * | * | |
| *b*. I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 69 | 29th | 45 | 28th | 64·6 | 51·9 | 57·8 | + 1·7 | 111 | 0 | 3 | 0·77 | + 0·15 | 5·8 | - 1·3 | 35 | 0 | 40 | * | * | * | * | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 78 | 29, 30 | 43 | 4th | 69·7 | 52·3 | 60·4 | + 5·0 | 129 | 0 | 2 | 0·69 | + 0·19 | 7·9 | — | 46 | 0 | 37 | 61·5 | +5·6 | 56·0 | +3·1 | Cockle Park. |
| *a* Tynemouth | 96 | 77 | 30th | 47 | 28th | 67·7 | 52·9 | 59·8 | + 4·1 | 125 | 0 | 3 | 0·79 | + 0·30 | 7·8 | — | *46* | * | * | * | * | * | * | |
| *p* Durham | 336 | 79 | 29, 30 | 43 | 4th | 71·3 | 51·7 | 60·8 | + 4·3 | 132 | 0 | 3 | 0·77 | + 0·29 | 6·9 | + 1·2 | 41 | 0 | 32 | * | * | * | * | Durham. |
| *a*, North .. *p* Rounton | 249 | 79 | 30th | 40 | 28th | 72·6 | 51·1 | 61·1 | + 5·2 | 134 | 0 | 3 | 1·56 | + 1·08 | * | * | * | 0 | 37 | 61·3 | * | * | * | Rounton. |
| *a West Witton* | *605* | *77* | *30th* | *42* | *4th* | *71·4* | *51·9* | *61·0* | — | *133* | *0* | *2* | *1·04* | — | * | * | * | 0 | 36 | 61·9 | * | 54·0 | * | *West Witton.* |
| *p* Scarborough | 100 | 80 | 30th | 50 | 28, 1, 4 | 69·3 | 54·0 | 61·1 | + 4·5 | 134 | 0 | 3 | 2·57 | + 2·13 | 6·8 | — | 40 | * | * | * | * | 57·6† | * | Scarborough. |
| *p* York | 56 | 82 | 30th | 47 | 4th | 74·3 | 54·9 | 63·9 | + 5·6 | 153 | 0 | 3 | 3·19 | + 2·68 | 7·7 | + 1·8 | 48 | * | * | 61·6 | +4·7 | 56·1 | +2·5 | York. |
| *b*, South .. *a* Spurn Head | 26 | 83 | 30th | 53 | 28th | 73·3 | 56·0 | 64·1 | + 7·3 | 155 | 0 | 2 | 1·14 | + 0·79 | *4·3* | — | *25* | 0 | 41 | 62·7 | +5·1 | 54·4 | +1·8 | *Hull.* |
| *a* Lincoln | 58 | 85 | 1st | 48 | 28, 4 | 77·1 | 56·0 | 65·8 | + 6·5 | 167 | 0 | 4 | 1·25 | + 0·78 | * | * | * | * | * | * | * | * | * | *Spurn Head.* |
| *a* Fulbeck | 180 | 84 | 30th | 44 | 28, 4 | 76·0 | 52·9 | 63·7 | + 5·0 | 152 | 0 | 4 | 1·26 | + 0·79 | 7·7 | — | 46 | 0 | 42 | 66·6 | +5·8 | 57·0 | +2·0 | Lincoln. |
| | | | | | | | | | | | | | | | 8·7 | — | 52 | * | * | * | * | * | * | Rauceby. |
| | | | | | | | | | | | | | | | *9·8* | — | *59* | 0 | 49 | 65·8 | +5·3 | 58·5 | +2·1 | Skegness. |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | 8·1 | — | 49 | * | * | * | * | * | * | *Lowestoft.* |
| *p* Cromer | 196 | 85 | 30th | 52 | 28th | 76·1 | 57·3 | 66·1 | + 8·5 | 169 | 0 | 2 | 0·22 | — | 8·1 | + 1·5 | 49 | 0 | 47 | * | * | * | * | Cromer. |
| *p* Little Massingham | 280 | 86 | 1st | 49 | 28th | 76·9 | 55·4 | 65·4 | + 7·0 | 164 | 0 | 3 | 0·97 | + 0·41 | 9·1 | — | 55 | * | * | 67·6 | +4·0 | 59·4 | +0·7 | Lit. Massingham. |
| *a*, North .. *a* Yarmouth | 17 | 74 | 30, 1 | 53 | 29th | 70·7 | 58·7 | 64·3 | + 6·6 | 156 | 0 | 2 | 0·09 | - 0·38 | *8·8* | — | *53* | 0 | 47 | 65·6 | * | * | * | Yarmouth. |
| *a* Norwich | 93 | 87 | 30, 1 | 53 | 28th | 80·0 | 58·9 | 68·7 | +10·6 | 187 | 0 | 2 | 0·97 | — | 9·0 | + 2·2 | 54 | * | * | * | * | * | * | *Norwich.* |
| *a* Geldeston | 37 | 85 | 1, 2 | 51 | 28th | 79·1 | 58·1 | 67·9 | + 9·8 | 181 | 0 | 2 | 0·59 | + 0·15 | * | * | * | * | * | * | * | * | * | Geldeston. |
| *p* Cambridge | 41 | 86 | 30, 1 | 50 | 4th | 77·7 | 55·6 | 65·9 | + 6·3 | 167 | 0 | 3 | 0·35 | - 0·14 | 8·0 | + 1·4 | 49 | 0 | 45 | 65·7 | +5·6 | 58·4 | +1·6 | Cambridge. |
| *a Feltxstowe* | *10* | *75* | *29th* | *54* | *28th* | *72·7* | *59·6* | *65·7* | + *7·0* | *166* | *0* | *1* | *0·01* | — | *10·6* | — | *65* | * | * | * | * | * | * | *Feltxstowe.* |
| *b*, South .. *a* Clacton-on-Sea | 54 | 75 | 28th | 54 | 4th | 72·9 | 59·6 | 65·8 | + 7·1 | 167 | 0 | 2 | 0·47 | — | 10·0 | — | 61 | 0 | 51 | 65·1 | +6·1 | 58·5 | +1·5 | Clacton. |
| *a* Rothamsted | 424 | 85 | 1st | 51 | 4th | 75·6 | 55·1 | 64·6 | + 6·2 | 158 | 0 | 2 | 0·20 | - 0·31 | 8·7 | + 2·2 | 53 | * | * | * | * | * | * | Rothamsted. |
| *a Shoeburyness* | *13* | *81* | *30th* | *53* | *4th* | *75·6* | *58·4* | *63·4* | + *5·7* | *171* | *0* | *2* | *0·09* | - *0·29* | *9·9* | — | *60* | 0 | 51 | 70·1 | +8·5 | * | * | *Southend.* |
| *p* Tottenham | 51 | 88 | 1st | 55 | 4th | 81·4 | 60·4 | 70·2 | +10·2 | 197 | 0 | 2 | 0·08 | — | 8·9 | — | 54 | 0 | 48 | * | * | 59·9 | +2·3 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | *8·2* | — | *49* | 0 | 40 | 63·3 | +5·7 | 54·1 | +1·4 | *Huddersfield.* |
| *a* Harrogate | 476 | 79 | 30th | 44 | 28, 4 | 70·9 | 52·4 | 61·0 | + 4·6 | 133 | 0 | 2 | 2·64 | + 2·10 | 7·3 | — | 43 | 0 | 37 | 59·7 | +5·2 | 56·3 | +3·4 | Harrogate. |
| *a* Bawtry | 65 | 86 | 30th | 44 | 28th | 76·9 | 53·9 | 64·6 | + 5·9 | 158 | 0 | 3 | 1·59 | + 1·14 | 6·8 | + 1·3 | 41 | 0 | 38 | 62·5 | * | 57·0 | * | Worksop. |
| *p Buxton* | *987* | *80* | *30th* | *41* | *28th* | *71·3* | *52·1* | *61·0* | + *5·6* | *133* | *0* | *4* | *1·19* | + *0·44* | *8·0* | — | *48* | 0 | 38 | 62·3 | +5·8 | 56·7 | +5·3 | *Buxton.* |
| *a*, East .. *a* Nottingham | 82 | 85 | 1st | 47 | 28, 4 | 76·1 | 54·7 | 64·7 | + 6·1 | 159 | 0 | 2 | 0·67 | + 0·19 | 8·2 | — | 49 | 0 | 42 | 66·5 | +8·4 | 57·9 | +2·9 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 83 | 30, 1 | 46 | 4th | 74·9 | 55·4 | 64·5 | + 6·8 | 158 | 0 | 4 | 1·42 | + 0·92 | 8·4 | — | 50 | 0 | 31 | 59·7 | +6·4 | 52·3 | +1·8 | Birmingham. |
| *a* Raunds | 203 | 88 | 30th | 46 | 4th | 78·7 | 55·0 | 66·0 | + 6·8 | 168 | 0 | 3 | 0·33 | — | *7·4* | — | *45* | 0 | 37 | 64·7 | * | 55·8 | * | *Raunds.* |
| *p* Oxford | 208 | 87 | 1st | 45 | 4th | 76·4 | 54·9 | 64·9 | + 5·5 | 160 | 0 | 4 | 1·02 | + 0·49 | 9·1 | + 2·6 | 56 | 0 | 39 | * | * | * | * | Oxford. |
| | | | | | | | | | | | | | | | 8·3 | — | 50 | 0 | 41 | 61·8 | +5·4 | 53·9 | +1·8 | Sheffield. |
| *a* Cheadle | 646 | 85 | 30th | 53 | 3rd | 74·9 | 56·3 | 65·0 | + 8·4 | 161 | 0 | 4 | 1·52 | + 0·92 | * | * | * | 0 | 47 | * | * | * | * | Cheadle. |
| *p* Shrewsbury | 191 | 84 | 30th | 42 | 4th | 75·0 | 51·1 | 62·2 | + 4·0 | 141 | 0 | 4 | 2·44 | — | * | * | * | 0 | 42 | * | * | * | * | Shrewsbury. |
| *b*, West .. *a* Hereford‡ | 291 | 83 | 1st | 41 | 4th | 75·1 | 51·3 | 62·4 | + 3·5 | 143 | 0 | 4 | 1·50 | + 1·00 | *8·7* | — | *53* | 0 | 35 | 66·0 | * | 59·9 | * | *Malvern.*§ |
| *a* Cirencester | 448 | 85 | 1st | 42 | 4th | 74·7 | 53·1 | 63·2 | + 5·6 | 148 | 0 | 4 | 0·70 | +0·15 | 8·4 | + 2·0 | 51 | 0 | 38 | 62·7 | * | 56·6 | * | Cirencester. |
| *a* Bath | 66 | 86 | 1st | 42 | 4th | 74·9 | 54·1 | 63·8 | + 4·7 | 153 | 0 | 4 | 0·80 | + 0·26 | 8·1 | — | 49 | * | * | * | * | * | * | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | * | * | * | 0 | 49 | 68·8 | +10·0 | 59·5 | +2·3 | Canterbury |
| *p* Kew | 18 | 89 | 1st | 52 | 4th | 79·0 | 57·3 | 67·4 | + 7·8 | 178 | 0 | 3 | 0·46 | - 0·04 | 9·4 | + 2·9 | 57 | 0 | 45 | 64·4 | +5·1 | 57·5 | +1·8 | Kew. |
| *a* Marlborough | 424 | 84 | 1st | 37 | 4th | 73·9 | 49·3 | 60·7 | + 2·8 | 131 | 0 | 4 | 0·92 | + 0·34 | 8·7 | + 2·7 | 53 | 0 | 32 | 64·4 | * | 56·8 | * | Marlborough |
| *a* Margate | 35 | 80 | 30, 1, 2 | 56 | 4th | 75·1 | 61·3 | 67·7 | + 8·3 | 180 | 0 | 2 | 0·13 | - 0·30 | 10·0 | + 3·8 | 61 | 0 | 53 | 66·5 | +7·5 | 59·4 | +3·2 | Margate. |
| *a* Wisley, Surrey | 150 | 90 | 1st | 48 | 4th | 79·0 | 54·9 | 66·1 | + 5·5 | 169 | 0 | 2 | 0·15 | — | 10·1 | — | 62 | 0 | 43 | 65·6 | +5·8 | 58·0 | +1·3 | Wisley. |
| | | | | | | | | | | | | | | | 10·3 | — | 63 | 0 | 44 | 66·3 | +4·7 | 59·1 | +1·8 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 87 | 1st | 44 | 4th | 76·1 | 53·6 | 64·1 | + 3·9 | 155 | 0 | 3 | 0·66 | + 0·15 | * | * | * | 0 | 42 | 66·7 | * | * | * | Salisbury. |
| *a* Tunbridge Wells | 418 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | Tunbridge Wells |
| *a* Dungeness | 21 | 76 | 30th | 52 | 28th | 69·3 | 56·9 | 62·7 | + 4·2 | 145 | 0 | 1 | 0·08 | - 0·29 | 10·0 | — | 61 | * | * | * | * | * | * | Littlestone. |
| *p* Hastings | 178 | 82 | 1st | 54 | 3rd | 71·4 | 57·9 | 64·2 | + 5·2 | 155 | 0 | 3 | 0·42 | + 0·48 | *9·9* | + *3·2* | *61* | 0 | 48 | 66·9 | * | 59·4 | * | *Hastings.* |
| *p* Southampton | 65 | 82 | 1st | 47 | 4th | 75·0 | 55·7 | 64·7 | + 3·8 | 159 | 0 | 3 | 0·13 | - 0·36 | 9·4 | + 2·4 | 58 | 0 | 40 | * | * | * | * | Southampton. |
| *a* Ventnor | 80 | 77 | 1st | 51 | 4th | 70·7 | 57·9 | 63·9 | + 3·8 | 153 | 0 | 1 | 0·02 | - 0·44 | 9·6 | + 3·1 | 60 | * | * | * | * | * | * | Ventnor. |
| | | | | | | | | | | | | | | | *9·5* | — | *58* | 0 | 45 | 68·3 | +6·5 | 61·5 | +3·2 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 9·9 | + 2·4 | 61 | * | * | 65·4 | * | 59·6 | * | Eastbourne. |
| | | | | | | | | | | | | | | | *10·1* | — | *62* | * | * | 64·9 | * | 60·6 | * | *Bournemouth.* |
| | | | | | | | | | | | | | | | *9·9* | + *2·5* | *61* | 0 | 49 | * | * | 60·8 | * | *Brighton.* |
| LONDON. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a Westminster* | *27* | *89* | *30th* | *54* | *30, 4* | *78·8* | *59·1* | *68·3* | + *8·0* | *184* | *0* | *3* | *0·20* | - *0·30* | *9·4* | + *3·8* | *57* | 0 | 52 | * | * | * | * | *Westminster.* |
| *a Greenwich* | *155* | *92* | *1st* | *54* | *29, 4* | *82·1* | *57·3* | *68·8* | + *7·8* | *188* | *0* | *3* | *0·10* | - *0·38* | *9·2* | + *2·3* | *56* | 0 | 44 | * | * | * | * | *Greenwich.* |
| *a Hampstead* | *450* | *87* | *1st* | *52* | *4th* | *77·1* | *58·8* | *67·3* | — | *177* | *0* | *2* | *0·37* | — | *8·9* | — | *54* | 0 | 49 | * | * | * | * | *Hampstead.* |
| *a Camden Square* | *110* | *94* | *1st* | *54* | *4th.* | *82·4* | *59·9* | *70·4* | — | *199* | *0* | *2* | *0·27* | — | *8·7* | — | *53* | 0 | 51 | * | * | * | * | *Camden Square.* |
| | | | | | | | | | | | | | | | *8·1* | — | *36* | 0 | 34 | 59·4 | +3·0 | 53·8 | +1·4 | *Burnley.* |
| | | | | | | | | | | | | | | | 7·9 | — | 47 | * | * | * | * | * | * | Hoylake. |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Aspatria | 250 | 73 | 1st | 43 | 4th | 67·9 | 50·1 | 58·4 | + 2·5 | 115 | 0 | 2 | 1·76 | + 1·12 | 6·4 | — | 38 | * | * | 60·3 | * | 53·8 | * | Aspatria. |
| *p* Newton Rigg | 559 | 73 | 29, 30, 1 | 36 | 4th | 68·9 | 49·9 | 58·7 | + 3·3 | 117 | 0 | 3 | 0·37 | - 0·16 | 6·7 | 0·0 | 39 | 2 | 24 | 61·0 | +3·5 | 54·7 | +1·7 | Newton Rigg. |
| *p* Stonyhurst | 375 | 78 | 1st | 44 | 4th | 69·1 | 52·7 | 60·3 | + 2·7 | 128 | 0 | 4 | 0·81 | + 0·07 | 5·9 | - 0·5 | 35 | 0 | 33 | * | * | * | * | Stonyhurst. |
| *p* Blackpool | 66 | 72 | 30th | 44 | 28th | 66·7 | 52·7 | 59·2 | + 1·6 | 120 | 0 | 5 | 1·09 | + 0·56 | 5·9 | - 0·6 | 35 | 0 | 32 | 60·6 | * | 54·8 | * | Blackpool. |
| *p* Manchester (Whit. Pk.) | 125 | 82 | 30th | 45 | 28, 4 | 72·1 | 54·4 | 62·6 | + 4·1 | 144 | 0 | 3 | 0·79 | + 0·25 | *6·2* | + *0·9* | *37* | * | * | * | * | * | * | *Whit. Park.* |
| *a* Liverpool (Bidston) | 188 | 80 | 1st | 50 | 4th | 69·6 | 55·0 | 61·8 | + 3·5 | 139 | 0 | 4 | 1·34 | + 0·79 | *8·1* | — | *49* | * | * | * | * | * | * | *Liverpool.* |
| *a Hawarden Bridge* | *22* | *81* | *30th* | *44* | *28, 4* | *72·4* | *55·0* | *63·1* | + *4·6* | *148* | *0* | *4* | *2·29* | + *1·83* | *7·0* | + *0·3* | *41* | 0 | 35 | 64·4 | +3·4 | 59·7 | +1·8 | *Southport.* |
| | | | | | | | | | | | | | | | *5·8* | — | *35* | 0 | 39 | 62·8 | +5·3 | 58·3 | +3·0 | *Manchester (City).* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 76 | 30th | 50 | 28th | 69·7 | 55·7 | 62·2 | + 4·0 | 141 | 0 | 4 | 1·60 | + 1·13 | 8·1 | + 1·5 | 49 | * | * | * | * | * | * | Llandudno. |
| *a* Holyhead | 57 | 68 | 29th | 48 | 28th | 64·0 | 53·0 | 58·1 | + 1·4 | 113 | 0 | 3 | 1·18 | + 0·66 | *7·4* | — | *44* | * | * | * | * | * | * | *Holyhead.* |
| *Bettws-y-Coed* | 101 | *76* | *30th* | *40* | 28th | *70·4* | *49·9* | *59·4* | + *1·5* | *122* | *0* | *3* | *1·28* | — | *7·6* | — | *46* | 0 | 39 | 58·4 | +3·2 | 53·3 | +0·8 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 7·7 | — | 48 | * | * | * | * | * | * | Aberdovey. |

* For note see also opposite page. † At 3 ft. ‡ Hoar frost. The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | • | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 7·9 | — | 48 | • | • | • | • | • | • | Aberystwyth. |
| *a* Llangammarch Wells | 550 | 79 | 1st | 37 | 4th | 72·4 | 48·4 | 59·6 | + 2·8 | 123 | 0 | 3 | 1·35 | — | 7·7 | — | 47 | 0 | 33 | 59·0 | +3·5 | 53·1 | +1·0 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 66 | 1st | 51 | 3rd | 61·3 | 53·4 | 57·1 | + 0·4 | 106 | 0 | 3 | 2·09 | + 1·59 | 5·0 | - 2·4 | 31 | • | • | • | • | • | • | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 81 | 30,1 | 45 | 4th | 72·6 | 53·4 | 62·3 | + 2·9 | 142 | 0 | 4 | 2·44 | + 1·82 | 8·5 | — | 52 | 0 | 49 | 64·5 | +4·7 | 58·1 | +1·9 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 86 | 1st | 49 | 4th | 74·9 | 56·4 | 65·0 | + 5·4 | 161 | 0 | 4 | 2·54 | + 1·96 | *8·8* | — | *54* | 0 | 46 | • | • | • | • | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 83 | 1st | 45 | 4th | 71·7 | 54·6 | 62·6 | + 4·9 | 144 | 0 | 4 | 1·16 | + 0·60 | • | • | • | • | • | 64·4 | • | 58·0 | • | Shaftesbury. |
| *a* Arlington .. .. | 613 | 78 | 1st | 43 | 4th | 70·3 | 51·9 | 60·5 | + 4·2 | 130 | 0 | 3 | 0·97 | + 0·19 | • | • | • | • | • | • | • | • | • | Arlington. |
| *a Newquay* .. .. | *190* | *75* | *1st* | *47* | *4th* | *65·7* | *53·9* | *59·4* | *+ 1·1* | *122* | *0* | *3* | *1·53* | *+ 1·06* | 6·3 | - 0·8 | 39 | 0 | 43 | 63·5 | • | 57·3 | • | Newquay. |
| *a* Cullompton .. .. | 202 | 85 | 1st | 41 | 4th | 75·9 | 53·1 | 63·7 | + 5·2 | 152 | 0 | 4 | 0·99 | + 0·45 | 8·3 | + 1·9 | 51 | 0 | 37 | 67·1 | • | • | • | Cullompton. |
| *a* Portland .. .. | 19 | 71 | 1st | 54 | 29th | 65·9 | 56·9 | 61·1 | + 3·2 | 134 | 0 | 3 | 0·41 | — | *9·9* | — | *62* | • | • | • | • | • | • | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 76 | 1st | 46 | 4th | 67·3 | 54·1 | 60·2 | + 0·6 | 127 | 0 | 4 | 1·25 | + 0·71 | 9·3 | + 2·4 | 58 | 0 | 47 | 67·6 | +6·5 | • | • | Plymouth. |
| *a* Falmouth .. .. | 167 | 76 | 29th | 49 | 4th | 68·4 | 55·1 | 61·3 | + 2·8 | 135 | 0 | 3 | 1·54 | + 0·98 | 8·5 | + 1·1 | 53 | 0 | 41 | 65·9 | • | 60·4 | • | Falmouth. |
| **9.** IRELAND. N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. *a* Malin Head .. .. | 208 | 65 | 30th | 48 | 4th | 60·0 | 50·9 | 55·1 | + 0·3 | 92 | 0 | 6 | 0·39 | - 0·16 | • | • | • | • | • | • | • | • | • | |
| *a* Blacksod Point .. | 37 | 63 | 4th | 46 | 3rd | 59·7 | 50·9 | 55·0 | - 1·4 | 91 | 0 | 6 | 1·03 | + 0·40 | • | • | • | • | • | • | • | • | • | |
| *p* Markree Castle .. | 122 | 73 | 29th | 38 | 28, 3 | 64·9 | 44·7 | 54·1 | - 1·5 | 85 | 0 | 5 | 0·95 | + 0·25 | 2·8 | - 2·4 | 17 | 0 | 31 | 59·2 | • | 54·8 | • | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 74 | 29th | 42 | 4th | 69·0 | 50·0 | 58·8 | + 1·6 | 118 | 0 | 4 | 0·59 | + 0·02 | *4·7* | *- 0·7* | *28* | • | • | • | • | • | • | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 72 | 29th | 45 | 3rd | 65·9 | 51·0 | 57·9 | + 1·5 | 111 | 0 | 3 | 0·63 | + 0·03 | 3·2 | - 0·3 | 19 | 0 | 40 | 60·9 | +2·8 | 56·2 | +1·5 | Armagh. |
| *a* Donaghadee .. .. | 39 | 75 | 29th | 45 | 28th | 64·4 | 52·0 | 57·8 | + 1·8 | 111 | 0 | 3 | 0·39 | - 0·17 | • | • | • | • | • | • | • | • | • | |
| | | | | | | | | | | | | | | | • | • | • | 0 | 41 | 63·0 | +5·2 | 56·7 | +1·4 | *Trinity Coll.* |
| | | | | | | | | | | | | | | | 6·4 | 0·0 | 38 | 0 | 36 | • | • | • | • | Phœnix Park. |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | • | • | • | 0 | 47 | • | • | • | • | Dublin City. |
| *p* Dublin, City .. .. | 47 | 76 | 30th | 48 | 3rd | 68·7 | 55·6 | 61·7 | + 2·5 | 138 | 0 | 2 | 0·70 | + 0·22 | • | • | • | • | • | • | • | • | • | |
| *a*, East .. *a* Kilkenny .. .. | 212 | 77 | 30th | 43 | 28, 3 | 70·1 | 50·4 | 59·6 | + 1·4 | 124 | 0 | 3 | 0·51 | - 0·06 | • | • | • | • | • | • | • | • | • | |
| *a* Waterford .. .. | 20 | 77 | 29th | 45 | 3rd | 68·7 | 50·9 | 59·2 | + 0·8 | 120 | 0 | 3 | 0·66 | - 0·01 | • | • | • | • | • | • | • | • | • | |
| *a Seskin, Carrick-on-Suir* | *541* | *76* | *29th* | *44* | *3rd* | *69·1* | *50·0* | *58·9* | — | *118* | *0* | *4* | *1·03* | — | *6·3* | — | *38* | 0 | 37 | • | • | • | • | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 74 | 29th | 42 | 4th | 69·0 | 50·0 | 58·8 | + 1·6 | 118 | 0 | 4 | 0·59 | + 0·02 | 4·7 | - 0·7 | 28 | • | • | • | • | • | • | Birr Castle. |
| *a* Foynes .. .. | 50 | 71 | 29th | 47 | 3rd | 67·6 | 51·6 | 59·0 | + 1·0 | 119 | 0 | 4 | 1·00 | + 0·42 | • | • | • | • | • | • | • | • | • | |
| *a* Cahir .. .. | 199 | 80 | 29th | 42 | 28, 3, 4 | 71·4 | 48·7 | 59·3 | + 1·5 | 121 | 0 | 3 | 0·51 | — | • | • | • | • | • | • | • | • | • | |
| *b*, West .. *a* Killarney .. | 174 | 77 | 29th | 45 | 28th | 69·6 | 52·0 | 60·2 | + 2·8 | 127 | 0 | 5 | 1·20 | + 0·52 | • | • | • | • | • | • | • | • | • | |
| *a* Valencia .. .. | 30 | 66 | 29, 30 | 47 | 28th | 62·1 | 53·4 | 57·5 | 0·0 | 109 | 0 | 6 | 1·78 | + 1·01 | 4·0 | - 2·0 | 24 | • | • | • | • | • | • | Valencia. |
| *a* Roche's Point .. | 32 | 67 | 30th | 48 | 3rd | 64·0 | 53·3 | 58·3 | + 0·6 | 114 | 0 | 4 | 0·65 | + 0·01 | 7·4 | — | 45 | • | • | • | • | • | • | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 70 | 1st | 53 | 3rd | 63·4 | 54·6 | 58·7 | - 0·2 | 117 | 0 | 4 | 1·27 | + 0·82 | 5·7 | - 2·3 | 35 | • | • | • | • | • | • | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 83 | 30th | 51 | 4th | 72·6 | 58·1 | 64·9 | + 4·9 | 160 | 0 | 2 | 0·24 | - 0·25 | 10·0 | + 1·9 | 63 | • | • | • | • | • | • | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 83 | 1st | 49 | 4th | 72·9 | 54·6 | 63·1 | + 3·6 | 148 | 0 | 3 | 0·44 | - 0·05 | 10·0 | + 1·8 | 63 | 0 | 42 | 65·2 | +4·0 | 59·5 | +1·3 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 10·1 hrs. 62 °/₀; Ramsgate, 10·4 hrs. 64 °/₀; Rhyl, 8·1 hrs. 49 °/₀; Salcombe, 10·2 hrs. 63 °/₀; Tenby, 7·5 hrs. (0·0) 46 °/₀; Torquay, 10·0 hrs. (+2·3) 62 °/₀.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, July 4th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 51 | 51 | 51·0 | +0·8 |
| Kirkwall .. .. | 55 | 53 | 54·4 | +2·0 |
| Wick .. .. .. | 48 | 46 | 47·3 | -4·4 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 63 | 55 | 57·4 | +3·6 |
| Pennan Bay .. .. | 60 | 56 | 58·5 | +6·0 |
| Aberdeen, Cove Bay | 56 | 54 | 55·1 | +3·5 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 52 | 53 | 53·0 | -0·1 |
| Ballantrae .. .. | 64 | 58 | 61·2 | +7·8 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 56 | 52 | 54·1 | +3·3 |
| Scarborough .. .. | 57 | 54 | 55·6 | +2·7 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 55 | 52 | 53·8 | -3·7 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 65 | 62 | 63·9 | +4·0 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 58 | 54 | 54·9 | +1·8 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 61 | 56 | 59·7 | +1·5 |
| Scilly .. .. | — | — | — | — |
| Plymouth‡ .. .. | 62 | 59 | 60·5 | +3·2 |
| Salcombe .. .. | 61 | 58 | 59·7 | +4·4 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 61 | 59 | 60·2 | +3·7 |
| Teelin .. .. .. | 61 | 53 | 57·3 | 0·0 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 59 | 55 | 57·2 | +1·0 |
| Seafield .. .. | 65 | 56 | 59·6 | +1·6 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, July 4th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. | 75 | — | — | — | — | 4 | 164 | SW. 7 | 30th 12h. | 15 30th 12 . 5 |
| Aberdeen .. .. | 105 | — | — | — | — | 14 | 154 | SW. by S. 9 | 30th 12h. | 17 30th 11 . 40 |
| Rosyth .. .. | 73 | — | — | 30th | 1 | 80 | 87 | WSW. 11 | 30th 12h. | 18 30th 12 . 30 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | — | — | 45 | 123 | SW. by W. 9 | 28th 16h. | 13 30th 13 . 25 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 17 | 151 | WSW. 8 | 30th 10h. | 17 30th 9 . 30 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 3 | 165 | WSW. 6 | 28th 21h. | 14 28th 16 . 0 |
| South Shields .. | 61 | — | — | — | — | 45 | 122 | W. 10 | 28th 21,22h. | 15 1st 20 . 0 |
| Spurn Head .. | 40 | — | — | 3rd | 1 | 64 | 103 | N. by W. 11 | 3rd 12h. | 16 1st 20 . 10 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | — | — | 71 | 97 | — 11 | 30th 14h. | 13 2nd 11 . 15 |
| Shoeburyness .. | 90 | — | — | — | — | 28§ | 123§ | ESE. 11 | 1st 16h. | 15 3rd 17 . 40 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 3rd | 1 | 45 | 122 | — 11 | 3rd 17h. | 17 3rd 16 . 55 |
| Warlingham .. | 33 | — | — | — | — | 10 | 158 | — 7 | 1st 15h. | 14 1st 15 . 20 |
| Brighton .. .. | 53 | — | — | 3rd | 1 | 17 | 150 | — 12 | 3rd 13h. | 18 3rd 12 . 50 |
| Kew .. .. .. | 40 | — | — | — | — | 3 | 165 | NNW. 6 | 3rd 11h. | 11 3rd 11 . 10 |
| South Kensington | 92 | — | — | — | — | 1 | 167 | SW. 6 | 1st 15h. | 10 1st 15 . 10 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | — | 168 | W. 5 | 30th 13h. | 9 30th 13 . 0 |
| Southport .. .. | 62 | — | — | 3rd | 1 | 64 | 103 | NW. 11 | 3rd 6h. | 15 3rd 6 . 40 |
| Holyhead .. .. | 40 | — | — | — | — | 83 | 85 | SSE. 11 | 4th 12h. | 15 4th 12 . 15 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | — | — | 4th | 18§ | 47§ | 96§ | SSW. 16 | 4th 15h. | 20 4th 15 . 20 |
| Plymouth .. .. | 86 | — | — | 4th | 3 | 24 | 141 | — 12 | 4th 17h. | 29 1st 13 . 40 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 4th | 9§ | 115§ | 30§ | — 15 | 4th 6h. | 21 4th 5 . 15 |
| Crosshaven† .. | 30 | — | — | 4th | 4§ | 31§ | 122§ | — 13 | 4th 6h. | 17 4th 6 . 5 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | 3rd | 1 | 39 | 128 | NNW. 11 | 3rd 4h. | 15 3rd 3 . 50 |

† The Anemograph from Roches Point has been moved to Crosshaven on the W. of Cork Harbour. The records entered for Roches Point from June 21st refer to Crosshaven.

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**TWENTY-SIXTH WEEK**—June 28th to July 4th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 70 | 38 | 62·0 | 48·4 | 54·7 | + 0·4 | 89 | + 3 | 0 | 0 | 5 | + 1 | 0·58 | −0·15 | 4·1 | −0·5 | 23 | 1013 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 79 | 30 | 67·7 | 49·4 | 58·0 | + 2·0 | 112 | + 14 | 0 | 0 | 3 | 0 | 0·95 | +0·40 | 6·2 | +0·1 | 36 | 1014 |
| 2. ENGLAND, N.E. ... ... | 85 | 40 | 72·4 | 53·5 | 62·3 | + 4·7 | 142 | + 33 | 0 | 0 | 3 | + 1 | 1·47 | +1·03 | 7·6 | +1·1 | 45 | 1016 |
| 3. ENGLAND, EAST ... | 87 | 49 | 76·7 | 57·7 | 66·5 | + 6·9 | 172 | + 49 | 0 | 0 | 2 | 0 | 0·44 | +0·07 | 8·7 | +1·4 | 53 | 1016 |
| 4 MIDLAND COUNTIES ... | 88 | 41 | 75·3 | 53·8 | 63·8 | + 4·6 | 153 | + 32 | 0 | 0 | 3 | 0 | 1·33 | +0·85 | 8·1 | +1·5 | 49 | 1016 |
| 5. ENGLAND, S.E. ... ... | 90 | 37 | 74·4 | 56·1 | 64·6 | + 4·4 | 158 | + 31 | 0 | 0 | 2 | − 1 | 0·39 | +0·02 | 9·7 | +2·2 | 60 | 1017 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 76 | 38 | 65·0 | 49·9 | 56·9 | 0·0 | 104 | 0 | 0 | 0 | 4 | + 1 | 0·84 | +0·12 | 4·5 | −1·6 | 26 | 1015 |
| 7. ENGLAND, N.W. ... ... | 82 | 36 | 68·7 | 52·6 | 60·1 | + 1·9 | 127 | + 13 | 0 | 0 | 3 | − 1 | 1·14 | +0·55 | 6·9 | +0·6 | 41 | 1017 |
| 8. ENGLAND, S.W. ... ... | 86 | 37 | 70·1 | 53·7 | 61·3 | + 2·5 | 135 | + 17 | 0 | 0 | 4 | + 2 | 1·47 | +0·96 | 7·6 | +0·6 | 46 | 1017 |
| 9. IRELAND, NORTH ... | 75 | 38 | 64·0 | 49·9 | 56·5 | − 0·6 | 102 | − 4 | 0 | 0 | 5 | + 1 | 0·66 | +0·02 | 3·0 | −2·1 | 18 | 1014 |
| 10. IRELAND, SOUTH ... | 80 | 42 | 67·9 | 51·8 | 59·3 | + 0·8 | 121 | + 6 | 0 | 0 | 4 | + 1 | 0·84 | +0·24 | 5·6 | 0·0 | 34 | 1016 |
| 11. ENGLISH CHANNEL ... | 83 | 49 | 69·6 | 55·8 | 62·2 | + 2·4 | 141 | + 17 | 0 | 0 | 3 | 0 | 0·65 | +0·25 | 8·6 | +0·1 | 54 | 1017 |

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 5 Weeks, May 31st to July 4th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 78 | 37 | * | * | * | * | 384 | + 18 | 0 | − 4 | 18 | − 1 | 1·76 | −1·40 | 5·3 | +0·1 | 30 | 1017 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 30 | * | * | * | * | 453 | + 43 | 0 | − 3 | 14 | − 2 | 2·17 | −0·35 | 6·8 | +0·7 | 39 | 1017 |
| 2. ENGLAND, N.E. ... ... | 85 | 33 | * | * | * | * | 510 | + 63 | 0 | 0 | 13 | − 1 | 4·15 | +2·01 | 7·3 | +1·0 | 44 | 1017 |
| 3. ENGLAND, EAST ... | 87 | 38 | * | * | * | * | 583 | + 69 | 0 | 0 | 13 | 0 | 2·26 | −0·06 | 7·9 | +1·0 | 48 | 1016 |
| 4. MIDLAND COUNTIES ... | 88 | 35 | * | * | * | * | 570 | + 58 | 0 | − 1 | 12 | − 2 | 3·49 | +1·09 | 7·4 | +1·2 | 45 | 1017 |
| 5. ENGLAND, S.E. ... ... | 90 | 36 | * | * | * | * | 591 | + 45 | 0 | 0 | 11 | − 2 | 1·64 | −0·56 | 8·6 | +1·6 | 53 | 1017 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 79 | 35 | * | * | * | * | 476 | + 23 | 0 | − 1 | 15 | − 1 | 1·70 | −1·57 | 6·6 | +0·2 | 39 | 1017 |
| 7. ENGLAND, N.W. ... ... | 82 | 36 | * | * | * | * | 516 | + 30 | 0 | 0 | 13 | − 3 | 2·86 | +0·28 | 7·1 | +0·5 | 43 | 1018 |
| 8. ENGLAND, S.W. ... ... | 86 | 34 | * | * | * | * | 548 | + 33 | 0 | 0 | 15 | 0 | 3·52 | +0·95 | 7·0 | +0·1 | 43 | 1018 |
| 9. IRELAND, NORTH ... | 78 | 35 | * | * | * | * | 440 | − 13 | 0 | 0 | 16 | − 2 | 1·88 | −1·13 | 5·1 | −0·6 | 30 | 1018 |
| 10. IRELAND, SOUTH ... | 80 | 39 | * | * | * | * | 538 | + 33 | 0 | 0 | 13 | − 3 | 1·86 | −1·07 | 6·4 | +0·1 | 39 | 1019 |
| 11. ENGLISH CHANNEL ... | 83 | 42 | * | * | * | * | 560 | + 17 | 0 | 0 | 13 | − 3 | 1·98 | −0·18 | 7·1 | −1·0 | 45 | 1018 |

THE YEAR.—Aggregates, &c., for the Period of 26 Weeks, January 4th, 1914, to July 4th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 78 | 16 | * | * | * | * | 833 | + 79 | 391 | −166 | 120 | + 1 | 24·04 | +0·60 | 3·4 | −0·1 | 27 | 1008 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 1040 | +166 | 492 | −128 | 97 | + 1 | 14·10 | +0·80 | 4·3 | +0·2 | 34 | 1010 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 1232 | +306 | 299 | −176 | 88 | 0 | 11·10 | +0·91 | 4·7 | +0·4 | 37 | 1012 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 1364 | +247 | 299 | −222 | 83 | − 3 | 10·83 | +0·65 | 5·1 | +0·6 | 41 | 1014 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 1366 | +223 | 367 | −166 | 86 | + 1 | 11·72 | +0·11 | 4·5 | +0·4 | 36 | 1014 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 1423 | +205 | 240 | −141 | 85 | + 3 | 13·45 | +2·10 | 5·4 | +0·9 | 43 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 79 | 18 | * | * | * | * | 1069 | +100 | 317 | −108 | 110 | + 8 | 20·39 | −0·09 | 4·0 | −0·1 | 32 | 1010 |
| 7. ENGLAND, N.W. ... ... | 82 | 22 | * | * | * | * | 1217 | +189 | 227 | −159 | 95 | + 1 | 15·02 | +0·65 | 4·4 | +0·3 | 35 | 1013 |
| 8. ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 1371 | +180 | 192 | −109 | 100 | + 8 | 20·19 | +4·02 | 4·8 | +0·2 | 38 | 1014 |
| 9. IRELAND, NORTH ... | 78 | 25 | * | * | * | * | 1118 | + 82 | 246 | − 99 | 115 | + 5 | 17·87 | +1·45 | 3·8 | −0·1 | 30 | 1011 |
| 10. IRELAND, SOUTH ... | 80 | 24 | * | * | * | * | 1380 | +143 | 174 | − 85 | 110 | +11 | 18·69 | +0·83 | 4·5 | +0·1 | 36 | 1013 |
| 11. ENGLISH CHANNEL ... | 83 | 25 | * | * | * | * | 1559 | +192 | 72 | − 37 | 96 | − 4 | 15·36 | +1·78 | 5·3 | −0·2 | 42 | 1015 |

M.O., July 1, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 27. TWENTY-SEVENTH WEEK, SUNDAY, JULY 5TH, TO SATURDAY, JULY 11TH, 1914. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

During the early days of the week a depression of moderate intensity came over the Kingdom from the Atlantic, and caused more or less rain in nearly all districts, but it subsequently travelled back to the ocean and remained there. The pressure distribution became mainly anticyclonic, and the wind, which had varied in direction according to the position of the barometric minimum, became variable or between North and East. Thunderstorms or thunder only occurred in a few parts of central and northern England on the 8th, and by the 11th, when the anticyclonic centre had moved away northwards, and a shallow low pressure system was coming over these Islands from France, thunderstorms were experienced in the Channel Islands and at several of the southern, south-western and western stations of England. The accompanying rainfall was not generally heavy, but at Westbourne there was 0·88 in., and at Hoylake 1·0 in. In the north-east of Britain and also at Kilkenny the week was almost rainless. At Leith, Marchmont, and Edinburgh there was no rain, and only 0·03 in. at Scarborough and Fulbeck. Much sea fog and mist prevailed along the eastern and north-eastern coasts of Britain, and occasional visitations were reported also from the western half of the Channel.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Unusual | Unusual | Moderate | Moderate | Moderate | Moderate | Unusual | Moderate | Moderate | Unusual | Moderate | Moderate |
| | Rainfall ... | Moderate | Moderate | Light | Moderate | Moderate | Moderate | Light | Moderate | Moderate | Light | Moderate | Heavy |
| | Sunshine ... | Abundant | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Abundant | Moderate | Abundant | Scanty | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 6 weeks from May 31st, 1914. | Warmth ... | 2 * 0 | 3 * 1 | 3 * 0 | 2 * 0 | 2 * 0 | 2 * 0 | 2 * 1 | 2 * 0 | 2 * 0 | 2 * 1 | 1 * 0 | 2 * 1 |
| | Rainfall ... | 0 * 1 | 1 * 2 | 2 * 2 | 1 * 1 | 2 * 2 | 0 * 1 | 0 * 4 | 2 * 1 | 2 * 2 | 0 * 4 | 1 * 2 | 3 * 1 |
| | Sunshine ... | 2 * 0 | 2 * 0 | 2 * 1 | 3 * 1 | 3 * 1 | 3 * 0 | 1 * 1 | 3 * 1 | 1 * 2 | 2 * 2 | 2 * 2 | 0 * 3 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| | Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| | Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| | Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3 * 1 | 6 * 0 | 8 * 1 | 8 * 2 | 6 * 1 | 7 * 1 | 5 * 3 | 5 * 1 | 8 * 1 | 6 * 3 | 6 * 2 | 9 * 1 |
| | Rainfall ... | 5 * 2 | 5 * 5 | 4 * 6 | 4 * 5 | 4 * 5 | 5 * 4 | 6 * 4 | 4 * 5 | 7 * 6 | 5 * 5 | 4 * 6 | 6 * 5 |
| | Sunshine ... | 4 * 4 | 4 * 2 | 3 * 2 | 6 * 5 | 4 * 5 | 4 * 1 | 4 * 2 | 4 * 2 | 4 * 2 | 4 * 4 | 4 * 4 | 4 * 4 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(1870—19.) Wt. 229—611. 450. 7/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | **Temperature of the Air.** In Degrees Fahrenheit. | | | | | | | | | **Rainfall.** | | | **Bright Sunshine.** Hours per Day. | | | **Ground Temperature.** | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Mean for the Week. Of Lowest each day. | Mean for the Week. For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Accumulated Heat for the Week (in Day degrees). Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | °/₀ | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | *69* | *8th* | *45* | *9th* | *63·0* | *50·6* | *56·4* | — | *101* | *0* | *3* | *0·14* | — | *3·0* | — | *16* | * | * | | | | | *Baltasound.* |
| *a* Lerwick | 54 | 66 | 10th | 47 | 9th | 60·1 | 50·6 | 55·0 | + 3·9 | 91 | 0 | 4 | 0·16 | — | 3·5 | - 1·2 | 19 | * | * | 56·3 | | | | Deerness. |
| *a* Stornoway | 51 | 70 | 10th | 43 | 10th | 65·3 | 51·1 | 57·7 | + 4·4 | 110 | 0 | 3 | 1·10 | + 0·47 | 6·2 | + 0·6 | 35 | * | * | * | | | | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *66* | *11th* | *51* | *7, 10* | *59·1* | *52·7* | *55·7* | + *2·1* | *96* | *0* | *5* | *1·01* | — | *3·9* | — | *22* | * | * | * | | | | *Castlebay.* |
| *a* Wick | 81 | 61 | 9th | 49 | 5th | 57·0 | 50·9 | 53·7 | + 0·2 | 82 | 0 | 3 | 1·03 | + 0·49 | * | * | * | * | * | * | | | | |
| *p* Strathpeffer | 200 | 71 | 5, 11 | 46 | 5, 10 | 67·7 | 50·6 | 58·2 | + 2·9 | 113 | 0 | 3 | 1·00 | + 0·43 | 5·9 | + 1·1 | 34 | * | * | * | | | | Strathpeffer. |
| *p* Glencarron | 500 | | | | | | | | | | | | | | * | | | * | * | * | | | | |
| *p* Fort Augustus | 68 | 74 | 11th | 44 | 10th | 67·6 | 51·9 | 59·2 | + 4·0 | 120 | 0 | 2 | 0·42 | - 0·17 | 5·1 | + 1·1 | 29 | * | * | * | | | | Fort Augustus. |
| *p* Fort William | 175 | 78 | 10th | 47 | 10th | 68·4 | 51·6 | 59·4 | + 3·5 | 122 | 0 | 4 | 0·39 | - 0·61 | * | * | * | * | * | * | | | | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle | 101 | 74 | 8th | 48 | 5th | 70·0 | 51·9 | 60·3 | + 4·0 | 128 | 0 | 3 | 0·91 | + 0·31 | 5·4 | — | 31 | 0 | 38 | 60·7 | +3·7 | 55·1 | +2·3 | Crathes S. |
| *a* Nairn | 82 | 72 | 5, 10 | 43 | 5th | 66·1 | 48·1 | 56·5 | + 1·0 | 102 | 0 | 3 | 0·72 | + 0·22 | 5·9 | — | 34 | * | * | * | | * | * | *Gordon Castle.* |
| *a* Aberdeen | 46 | 73 | 9th | 50 | 5th | 64·9 | 52·9 | 58·5 | + 3·3 | 116 | 0 | 2 | 1·14 | + 0·60 | 5·5 | - 0·2 | 32 | * | * | * | | 54·3 | +2·7 | Nairn. |
| *a* Balmoral | 930 | 71 | 10th | 41 | 8th | 67·7 | 48·4 | 57·4 | + 3·7 | 108 | 0 | 2 | 0·52 | - 0·02 | * | * | * | 0 | 38 | * | | * | * | Aberdeen. |
| *p* Crieff | 432 | 73 | 8, 10 | 46 | 10th | 68·9 | 50·6 | 59·1 | + 2·0 | 120 | 0 | 1 | 0·07 | - 0·59 | 5·7 | — | 33 | * | * | * | | * | * | Balmoral. |
| *a* Leith | 18 | 72 | 7th | 50 | 8, 10 | 66·6 | 52·6 | 59·1 | + 1·9 | 120 | 0 | 0 | 0·00 | - 0·53 | * | * | * | * | * | * | | * | * | Balruddery. |
| *a* West Linton | 800 | 72 | 11th | 37 | 10th | 67·1 | 45·7 | 55·7 | + 0·8 | 96 | 0 | 2 | 0·09 | — | *5·7* | — | *33* | 0 | 35 | * | | * | * | *West Linton.* |
| *p* Marchmont | 498 | 71 | 9th | 48 | 11th | 68·4 | 50·3 | 58·7 | + 3·2 | 117 | 0 | 0 | 0·00 | - 0·63 | 7·3 | + 1·4 | 43 | 0 | 42 | 61·3 | +4·1 | * | * | Marchmont. |
| *a Edinburgh* | *441* | *70* | *5th* | *48* | *5th* | *66·1* | *51·7* | *58·4* | — | *115* | *0* | *0* | *0·00* | — | 6·3 | — | 37 | 0 | 40 | * | | * | * | Edinburgh. |
| **6.** *a*, SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 73 | 10th | 50 | 10th | 65·4 | 53·7 | 59·1 | + 1·9 | 120 | 0 | 4 | 0·62 | - 0·21 | * | * | * | * | * | * | | * | * | |
| *p* Glasgow Observatory | 180 | 72 | 10th | 50 | 10th | 67·0 | 53·7 | 59·9 | + 3·4 | 125 | 0 | 2 | 0·18 | - 0·48 | 3·8 | - 1·3 | 22 | 0 | 40 | * | | * | * | Glasgow. |
| *p* Rothesay | 90 | 74 | 10th | 49 | 10th | 66·0 | 52·4 | 58·7 | + 1·3 | 117 | 0 | 2 | 0·26 | - 0·55 | *4·4* | — | *26* | 0 | 42 | 58·3 | | 54·6 | +0·6 | *Rothesay.* |
| *a* Kilmarnock | 90 | 76 | 10, 11 | 45 | 10th | 71·4 | 50·4 | 60·2 | + 3·0 | 127 | 0 | 1 | 0·29 | — | *6·0* | — | *35* | * | * | * | | * | * | *Kilmarnock.* |
| *a* Colmonell | 150 | 76 | 10, 11 | 45 | 6, 10 | 68·1 | 51·4 | 59·2 | + 2·4 | 120 | 0 | 2 | 0·11 | - 0·55 | * | * | * | 0 | 42 | * | | * | * | |
| *p* Dumfries | 160 | 78 | 10th | 49 | 8, 10 | 69·6 | 52·6 | 60·5 | + 2·5 | 130 | 0 | 3 | 0·40 | - 0·25 | *6·1* | — | *36* | 0 | 43 | 61·8 | | 58·1 | | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 77 | 11th | 43 | 10th | 68·4 | 49·3 | 58·2 | + 1·1 | 113 | 0 | 3 | 0·08 | - 0·68 | * | * | * | * | * | * | | * | * | |
| *b*, I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 70 | 10, 11 | 48 | 6th | 63·7 | 52·7 | 57·8 | + 1·6 | 111 | 0 | 3 | 0·48 | - 0·16 | 6·7 | - 0·2 | 40 | 0 | 46 | * | | * | * | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 75 | 9th | 45 | 5th | 68·5 | 51·6 | 59·5 | + 3·5 | 123 | 0 | 1 | 0·02 | - 0·53 | 7·2 | — | 42 | 0 | 38 | 61·7 | +4·7 | 56·9 | +3·5 | Cockle Park. |
| *a* Tynemouth | 96 | 72 | 9th | 51 | 5, 7 | 65·9 | 53·6 | 59·3 | + 3·0 | 121 | 0 | 1 | 0·67 | + 0·17 | 6·1 | — | *36* | * | * | * | | * | * | |
| *p* Durham | 336 | 73 | 9th | 43 | 7th | 68·6 | 48·4 | 57·8 | + 0·6 | 111 | 0 | 3 | 0·03 | - 0·48 | 6·1 | + 0·5 | 36 | 0 | 41 | * | | * | * | Durham. |
| *a*, North *p* Rounton | 249 | 74 | 9th | 46 | 5th | 70·6 | 50·1 | 59·6 | + 2·7 | 123 | 0 | 1 | 0·09 | - 0·43 | * | * | * | 0 | 41 | 62·0 | | * | * | Rounton. |
| *a West Witton* | *605* | *77* | *10th* | *46* | *10th* | *69·7* | *49·4* | *58·8* | — | *118* | *0* | *1* | *0·08* | — | * | * | * | 0 | 42 | 61·8 | | 55·0 | * | *West Witton.* |
| *p* Scarborough | 100 | 73 | 9th | 51 | 5th | 66·4 | 53·6 | 59·6 | + 2·2 | 123 | 0 | 2 | 0·03 | - 0·45 | 6·6 | — | 39 | * | * | * | | 58·9† | | Scarborough. |
| *p* York | 56 | 77 | 10th | 50 | 7th | 71·7 | 52·6 | 61·5 | + 2·6 | 137 | 0 | 2 | 0·08 | - 0·44 | 6·6 | + 0·8 | 40 | * | * | 62·1 | +4·5 | 57·2 | +3·0 | York. |
| | | | | | | | | | | | | | | | *4·2* | — | *25* | 0 | 46 | 61·4 | +3·2 | 56·0 | +2·8 | *Hull.* |
| *b*, South *a* Spurn Head | 26 | 73 | 9th | 51 | 7th | 67·1 | 54·6 | 60·4 | + 2·5 | 126 | 0 | 1 | †0·35 | - 0·01 | *5·9* | — | *35* | * | * | * | | * | * | *Spurn Head.* |
| *a* Lincoln | 58 | 79 | 10th | 49 | 5, 7 | 72·4 | 52·4 | 61·7 | + 2·0 | 138 | 0 | 2 | 0·21 | - 0·26 | * | * | * | * | * | 64·3 | +5·6 | 58·9 | +4·3 | Lincoln. |
| *a* Fulbeck | 180 | 77 | 10th | 47 | 7th | 71·0 | 50·7 | 60·1 | + 0·7 | 127 | 0 | 1 | 0·03 | - 0·44 | 7·5 | — | 45 | 0 | 45 | 61·1 | +2·5 | 58·1 | +2·3 | Rauceby. |
| | | | | | | | | | | | | | | | 8·2 | — | 49 | * | * | * | | * | * | Skegness. |
| | | | | | | | | | | | | | | | *9·0* | — | *55* | 0 | 46 | 61·8 | +3·7 | 59·6 | +2·6 | *Lowestoft.* |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | 7·7 | — | 46 | * | * | * | | * | * | Cromer. |
| *p* Cromer | 196 | 72 | 7, 10 | 49 | 7th | 69·6 | 53·4 | 60·9 | + 2·4 | 132 | 0 | 3 | 0·14 | — | * | * | * | * | * | * | | * | * | |
| *p* Little Massingham | 280 | 78 | 9, 10 | 48 | 7th | 72·1 | 51·4 | 61·0 | + 1·8 | 133 | 0 | 2 | 0·08 | - 0·49 | 8·6 | + 2·1 | 52 | 0 | 46 | * | | * | * | Lit. Massingham. |
| *a*, North *a* Yarmouth | 17 | 72 | 9th | 51 | 8th | 68·0 | 54·3 | 60·7 | + 2·2 | 131 | 0 | 3 | 0·91 | + 0·41 | 9·2 | — | 56 | 0 | 46 | 66·0 | +3·0 | 60·9 | +1·6 | Yarmouth. |
| *a* Norwich | 93 | 78 | 10th | 49 | 8th | 72·9 | 52·6 | 62·0 | + 2·9 | 140 | 0 | 2 | 0·10 | — | *8·6* | — | *52* | 0 | 45 | 64·4 | | * | * | *Norwich.* |
| *a* Geldeston | 37 | 75 | 10, 11 | 48 | 5th | 70·5 | 51·6 | 60·4 | + 1·6 | 129 | 0 | 3 | 0·31 | - 0·15 | 8·5 | + 1·6 | 52 | * | * | * | | * | * | Geldeston. |
| *p* Cambridge | 41 | 80 | 11th | 44 | 5th | 72·1 | 49·9 | 60·2 | 0·0 | 127 | 0 | 4 | 0·30 | - 0·20 | 6·2 | - 0·5 | 38 | 0 | 37 | 63·0 | +2·2 | 59·1 | +1·8 | Cambridge. |
| *a Felixstowe* | *10* | *73* | *9th* | *54* | *5, 8* | *68·3* | *55·6* | *61·5* | + *1·8* | *137* | *0* | *3* | *0·10* | — | *9·0* | — | *55* | * | * | * | | * | * | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 72 | 9th | 51 | 5th | 68·7 | 55·3 | 61·5 | + 1·9 | 137 | 0 | 3 | 0·32 | — | 8·0 | — | 49 | 0 | 43 | 63·6 | +4·3 | 59·9 | +2·3 | Clacton. |
| *b*, South *a* Rothamsted | 424 | 80 | 11th | 45 | 5th | 69·7 | 50·0 | 59·2 | + 0·4 | 120 | 0 | 4 | 0·65 | + 0·12 | 7·7 | + 1·0 | 47 | * | * | * | | * | * | Rothamsted. |
| *a Shoeburyness* | *13* | *75* | *9th* | *49* | *5th* | *70·7* | *53·9* | *61·7* | + *0·2* | *138* | *0* | *2* | *0·12* | - *0·28* | *8·7* | — | *53* | 0 | 47 | 66·4 | +4·0 | * | * | *Southend.* |
| *p* Tottenham | 51 | 81 | 11th | 50 | 5th | 71·7 | 54·3 | 62·4 | + 1·6 | 143 | 0 | 3 | 0·55 | — | 6·9 | — | 42 | 0 | 42 | * | | 61·1 | +2·9 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | *5·0* | — | *30* | 0 | 44 | 62·1 | +3·0 | 55·4 | +2·1 | *Huddersfield.* |
| *a* Harrogate | 476 | 75 | 10th | 48 | 5th | 68·6 | 50·1 | 58·7 | + 1·9 | 117 | 0 | 2 | 0·49 | - 0·05 | 6·4 | — | 38 | 0 | 41 | 59·6 | +4·4 | 57·1 | +3·7 | Harrogate. |
| *a* Bawtry | 65 | 78 | 10th | 48 | 5, 7 | 72·1 | 51·6 | 61·1 | + 2·0 | 134 | 0 | 3 | 0·49 | + 0·02 | 6·7 | + 1·2 | 40 | 0 | 43 | 61·6 | | 57·6 | * | Worksop. |
| *p Buxton* | *987* | *74* | *10th* | *48* | *7, 8, 10* | *67·6* | *49·9* | *58·7* | + *1·7* | *113* | *0* | *4* | *0·35* | - *0·44* | *5·8* | — | *35* | 0 | 43 | 59·8 | +2·0 | 57·9 | +6·0 | *Buxton.* |
| *a*, East *a* Nottingham | 82 | 79 | 10th | 48 | 7th | 71·9 | 51·4 | 60·9 | + 1·7 | 132 | 0 | 3 | 0·43 | - 0·07 | 6·6 | — | 40 | 0 | 44 | 63·6 | +4·8 | 59·2 | +3·8 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 79 | 11th | 50 | 6, 7 | 70·1 | 52·7 | 60·8 | + 2·3 | 132 | 0 | 4 | 0·70 | + 0·20 | 7·3 | — | 45 | 0 | 44 | 58·6 | +2·5 | 53·2 | +2·3 | Birmingham. |
| *a* Raunds | 203 | 81 | 11th | 45 | 5th | 73·3 | 49·1 | 60·4 | + 0·3 | 128 | 0 | 3 | 0·33 | — | *6·6* | — | *40* | 0 | 40 | 63·5 | | 56·9 | * | *Raunds.* |
| *p* Oxford | 208 | 82 | 11th | 51 | 7th | 71·3 | 52·9 | 61·5 | + 1·5 | 137 | 0 | 4 | 0·64 | + 0·10 | 8·0 | + 1·5 | 49 | 0 | 45 | * | | * | * | Oxford. |
| | | | | | | | | | | | | | | | 6·1 | — | 37 | 0 | 45 | 60·7 | +3·7 | 55·2 | +2·5 | Sheffield. |
| *a* Cheadle | 646 | 75 | 10th | 51 | 6, 8 | 69·3 | 54·6 | 61·4 | + 4·5 | 136 | 0 | 4 | 0·85 | + 0·25 | * | * | * | 0 | 50 | * | | * | * | Cheadle. |
| *p* Shrewsbury | 191 | 79 | 10, 11 | 47 | 10th | 72·0 | 51·3 | 60·9 | + 2·4 | 132 | 0 | 3 | 0·15 | — | * | * | * | 0 | 49 | * | | * | * | Shrewsbury. |
| *b*, West *a* Hereford§ | 291 | 80 | 11th | 46 | 9, 10 | 71·0 | 50·3 | 59·9 | + 0·5 | 125 | 0 | 5 | 0·37 | - 0·13 | *8·6* | — | *53* | 0 | 39 | 63·3 | | 61·0 | * | *Malvern.*§ |
| *a* Cirencester | 446 | 80 | 10, 11 | 48 | 7th | 70·4 | 52·5 | 60·8 | + 2·6 | 132 | 0 | 3 | 0·71 | + 0·15 | 6·7 | + 0·3 | 41 | 0 | 42 | 61·2 | | 57·8 | * | Cirencester. |
| *a* Bath | 66 | 83 | 11th | 50 | 10th | 71·1 | 53·7 | 61·8 | + 2·2 | 139 | 0 | 4 | 0·98 | + 0·42 | 7·3 | — | 45 | * | * | * | | * | * | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | * | * | * | 0 | 42 | 66·2 | +7·1 | 60·8 | +3·4 | Canterbury |
| *p* Kew | 18 | 81 | 11th | 50 | 5th | 72·6 | 54·6 | 63·0 | + 2·5 | 147 | 0 | 4 | 0·51 | 0·00 | 6·9 | + 0·3 | 42 | 0 | 41 | 62·7 | +2·6 | 58·5 | +2·4 | Kew. |
| *a* Marlborough | 424 | 83 | 11th | 46 | 10th | 70·4 | 50·9 | 60·0 | + 1·2 | 126 | 0 | 5 | 0·79 | + 0·21 | 8·6 | + 2·5 | 53 | 0 | 42 | 62·5 | | 57·4 | * | Marlborough. |
| *a* Margate | 35 | 71 | 8, 9 | 52 | 5, 7 | 68·6 | 55·4 | 61·5 | + 0·8 | 137 | 0 | 3 | 0·19 | - 0·25 | 8·3 | + 2·1 | 51 | 0 | 48 | 64·4 | +4·7 | 60·6 | +4·0 | Margate. |
| *a* Wisley, Surrey | 150 | 82 | 11th | 46 | 5th | 72·1 | 51·6 | 61·1 | - 0·2 | 134 | 0 | 4 | 0·48 | — | 7·7 | — | 48 | 0 | 40 | 63·3 | +2·7 | 59·0 | +1·7 | Wisley. |
| | | | | | | | | | | | | | | | 9·5 | — | 59 | 0 | 48 | 64·7 | +2·1 | 60·0 | +2·2 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 84 | 11th | 50 | 6, 10 | 70·7 | 52·6 | 61·0 | + 0·3 | 133 | 0 | 3 | 0·84 | + 0·32 | * | * | * | 0 | 48 | 65·0 | | * | * | Salisbury. |
| *a* Tunbridge Wells | 418 | | | | | | | | | | | | | | * | * | * | * | * | * | | * | * | Tunbridge Wells. |
| *a* Dungeness | 21 | 71 | 11th | 52 | 10th | 66·1 | 55·9 | 60·6 | + 1·3 | 130 | 0 | 4 | 0·28 | - 0·10 | 9·7 | — | 60 | * | * | * | | * | * | Littlestone. |
| *p* Hastings | 178 | 80 | 11th | 53 | 5, 6, 10 | 68·9 | 55·6 | 61·8 | + 2·3 | 139 | 0 | 3 | 0·35 | - 0·11 | *9·5* | + *2·6* | *59* | 0 | 45 | 64·8 | | 60·6 | * | *Hastings.* |
| *p* Southampton | 65 | 79 | 11th | 53 | 6, 7 | 69·6 | 55·0 | 61·8 | + 0·4 | 139 | 0 | 2 | 0·47 | - 0·03 | 9·1 | + 2·0 | 57 | 0 | 50 | * | | * | * | Southampton. |
| *a* Ventnor | 80 | 76 | 11th | 53 | 6th | 67·1 | 56·4 | 61·4 | + 0·6 | 136 | 0 | 3 | 0·93 | + 0·46 | 9·1 | + 2·4 | 57 | * | * | * | | * | * | Ventnor. |
| | | | | | | | | | | | | | | | *9·7* | — | *60* | 0 | 52 | 66·0 | +3·1 | 62·0 | +3·1 | *Portsmouth.* |
| | | | | | | | | | | | | | | | * | * | * | * | * | * | | * | * | Eastbourne. |
| | | | | | | | | | | | | | | | *9·3* | — | *58* | * | * | 63·2 | | 60·9 | * | *Bournemouth.* |
| | | | | | | | | | | | | | | | *9·4* | + *2·0* | *58* | 0 | 47 | * | | 61·7 | * | *Brighton.* |
| LONDON. | | | | | | | | | | | | | | | *6·6* | + *0·8* | *41* | 0 | 47 | * | | * | * | *Westminster.* |
| *a Westminster* | *27* | *80* | *11th* | *51* | *5th* | *71·5* | *55·0* | *62·7* | + *1·6* | *145* | *0* | *4* | *0·52* | + *0·02* | *7·8* | + *0·6* | *48* | 0 | 33 | * | | * | * | *Greenwich.* |
| *a Greenwich* | *155* | *82* | *11th* | *45* | *5th* | *74·7* | *52·3* | *62·7* | + *0·7* | *145* | *0* | *4* | *0·64* | + *0·14* | 6·7 | — | *41* | 0 | 41 | * | | * | * | *Hampstead.* |
| *a Hampstead* | *450* | *79* | *11th* | *51* | *6, 7* | *69·3* | *53·5* | *60·9* | — | *132* | *0* | *4* | *0·66* | — | *6·2* | — | *38* | 0 | 47 | * | | * | * | *Camden Square.* |
| *a Camden Square* | *110* | *86* | *11th* | *50* | *5th* | *74·9* | *53·9* | *63·7* | — | *152* | *0* | *3* | *0·44* | — | *5·9* | — | *35* | 0 | 39 | 60·0 | +2·3 | 54·8 | +1·6 | *Burnley.* |
| | | | | | | | | | | | | | | | 6·6 | — | 40 | * | * | * | | * | * | Hoylake. |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Aspatria | 250 | 78 | 10, 11 | 49 | 7, 10 | 70·1 | 51·7 | 60·3 | + 4·2 | 128 | 0 | 3 | 0·89 | + 0·19 | 7·6 | — | 45 | 0 | 41 | 61·3 | | 54·8 | | Aspatria. |
| *p* Newton Rigg | 559 | 77 | 10th | 41 | 10th | 70·3 | 48·3 | 58·5 | + 2·5 | 116 | 0 | 2 | 0·29 | - 0·30 | 7·9 | + 1·6 | 47 | 0 | 33 | 60·9 | +2·4 | 55·4 | +1·8 | Newton Rigg. |
| *p* Stonyhurst | 375 | 76 | 10th | 49 | 10th | 68·9 | 52·4 | 60·1 | + 1·9 | 127 | 0 | 2 | 0·04 | - 0·75 | 4·8 | - 1·4 | 29 | 0 | 38 | * | | * | * | Stonyhurst. |
| *p* Blackpool | 66 | 76 | 11th | 44 | 5th | 68·4 | 51·3 | 59·3 | + 1·3 | 121 | 0 | 4 | 0·20 | - 0·35 | 7·2 | + 0·9 | 43 | 0 | 35 | 60·6 | | 55·4 | * | Blackpool. |
| *p* Manchester (Whit. Pk.) | 125 | | | | | | | | | | | | | | * | * | * | * | * | * | | * | * | *Whit. Park.* |
| *a* Liverpool (Bidston) | 188 | 78 | 11th | 52 | 7th | 69·0 | 54·4 | 61·2 | + 2·0 | 134 | 0 | 5 | 0·51 | - 0·06 | *7·5* | — | *45* | * | * | * | | * | * | *Liverpool.* |
| *a Hawarden Bridge* | *22* | *79* | *11th* | *51* | *7, 8, 10* | *70·7* | *53·1* | *61·3* | + *2·3* | *135* | *0* | *5* | *0·76* | + *0·30* | *7·1* | — | *43* | 0 | 45 | 63·7 | +1·6 | 60·2 | +1·6 | *Southport.* |
| | | | | | | | | | | | | | | | *4·7* | - *0·8* | *28* | 0 | 44 | 62·9 | +4·6 | 59·8 | +4·1 | *Manchester (City).* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 79 | 11th | 51 | 6, 7 | 69·1 | 54·7 | 61·4 | + 2·8 | 136 | 0 | 4 | 0·39 | - 0·10 | 8·0 | + 1·6 | 48 | * | * | * | | * | * | Llandudno. |
| *a* Holyhead | 57 | 77 | 11th | 53 | 6th | 66·0 | 55·1 | 60·2 | + 3·0 | 127 | 0 | 3 | 0·35 | - 0·19 | *8·6* | — | *52* | * | * | * | | * | * | *Holyhead.* |
| *Bettws-y-Coed* | 101 | *78* | *11th* | *46* | *6th* | *69·9* | *50·4* | *59·5* | + *1·6* | *123* | *0* | *5* | *0·64* | — | *6·4* | — | *39* | 0 | 44 | 57·6 | +1·4 | 54·0 | +1·2 | Aberdovey. |
| | | | | | | | | | | | | | | | 6·1 | — | 37 | * | * | * | | * | * | |

* For note see also opposite page. † At 3 ft. ‡ Hoar frost. The temperature on the grass refers to Hereford

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 6·0 | | 37 | | | | | | | |
| *a* Llangammarch Wells | 550 | 79 | 11th | 45 | 10th | 69·0 | 50·0 | 58·8 | + 1·7 | 118 | 0 | 4 | 0·71 | — | 6·2 | — | 38 | 0 | 39 | 58·7 | +2·6 | 53·9 | +1·3 | Aberystwyth. Llangammarch. |
| *a* Pembroke .. .. | 149 | 70 | 10th | 51 | 9th | 62·9 | 53·9 | 58·1 | + 0·9 | 113 | 0 | 2 | 0·05 | − 0·47 | 7·5 | + 0·3 | 46 | 0 | 46 | 62·8 | +2·6 | 59·0 | +2·2 | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 82 | 11th | 49 | 6th | 69·1 | 54·3 | 61·2 | + 1·3 | 134 | 0 | 5 | 0·95 | + 0·30 | *8·1* | — | *50* | 0 | 45 | 62·8 | +2·6 | 59·0 | +2·2 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | *7·8* | — | *48* | 0 | 48 | | | | | *Clifton.* |
| *a* Clifton .. .. .. | 229 | 84 | 11th | 51 | 6, 7 | 70·6 | 55·0 | 62·3 | + 1·9 | 142 | 0 | 5 | 1·45 | + 0·85 | | | | | | 61·3 | | 58·9 | | Shaftesbury. |
| *a* Shaftesbury .. .. | 722 | 79 | 11th | 48 | 6, 7 | 67·9 | 52·0 | 59·4 | + 1·0 | 122 | 0 | 3 | 0·94 | + 0·38 | | | | | | | | | | Arlington. |
| *a* Arlington .. .. | 613 | 78 | 11th | 46 | 6th | 67·6 | 52·1 | 59·3 | + 2·4 | 121 | 0 | 4 | 1·02 | + 0·20 | | | | | | | | | | Newquay. |
| *a* *Newquay* .. .. | *190* | *68* | *10th* | *51* | *7th* | *64·0* | *54·0* | *58·7* | *− 0·3* | *117* | *0* | *2* | *0·34* | *− 0·16* | 7·1 | + 0·1 | 44 | 0 | 48 | 62·4 | | 58·1 | | Cullompton. |
| *a* Cullompton .. .. | 202 | 82 | 11th | 44 | 6th | 71·1 | 51·7 | 60·7 | + 1·5 | 131 | 0 | 5 | 0·68 | + 0·10 | 5·8 | − 0·5 | 36 | 0 | 38 | 62·5 | | | | *Weymouth.* |
| *a* Portland .. .. | 19 | 66 | 11th | 53 | 6th | 61·9 | 55·3 | 58·4 | − 0·3 | 115 | 0 | 4 | 0·95 | — | *9·1* | — | *57* | | | | | | | Plymouth. |
| *p* Plymouth .. .. | 116 | 74 | 11th | 48 | 6th | 66·6 | 55·3 | 60·6 | + 0·8 | 130 | 0 | 2 | 0·43 | − 0·14 | 8·5 | + 1·7 | 53 | 0 | 40 | 65·2 | +2·5 | | | Falmouth. |
| *a* Falmouth .. .. | 167 | 72 | 11th | 50 | 6th | 65·1 | 53·9 | 59·1 | + 0·1 | 120 | 0 | 2 | 0·40 | − 0·20 | 6·7 | − 0·6 | 42 | 0 | 47 | 63·7 | | 61·2 | | |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. { *a* Malin Head .. .. | 208 | 68 | 5, 11 | 51 | 6th | 64·0 | 53·3 | 58·3 | + 2·8 | 114 | 0 | 2 | 0·02 | − 0·56 | 6·3 | — | 37 | | | | | | | |
| *a* Blacksod Point .. | 37 | 70 | 11th | 50 | 7th | 64·6 | 53·1 | 58·5 | + 1·9 | 116 | 0 | 3 | 0·20 | − 0·44 | | | | | | | | | | |
| *p* Markree Castle .. | 122 | 75 | 11th | 44 | 7th | 68·7 | 52·0 | 59·8 | + 4·0 | 125 | 0 | 2 | 0·20 | − 0·52 | 6·2 | + 0·4 | 37 | 0 | 37 | 60·9 | | 55·1 | | Markree Castle. |
| *a* Birr Castle .. | 175 | 76 | 11th | 46 | 5th | 68·3 | 52·3 | 59·7 | + 2·1 | 124 | 0 | 4 | 0·39 | − 0·21 | *4·4* | *− 0·6* | *27* | | | | | | | *Birr Castle.* |
| *b*, East .. { *p* Armagh .. .. | 196 | 72 | 11th | 49 | 6, 7 | 69·1 | 53·6 | 60·8 | + 4·1 | 132 | 0 | 2 | 0·65 | + 0·02 | 6·5 | + 1·3 | 39 | 0 | 44 | 61·9 | +2·7 | 57·0 | +1·7 | Armagh. |
| *a* Donaghadee .. .. | 39 | 66 | 6th | 47 | 6th | 62·4 | 52·4 | 57·1 | + 0·6 | 106 | 0 | 4 | 0·39 | − 0·20 | | | | 0 | 44 | 61·6 | +2·1 | 57·6 | +1·8 | *Trinity Coll.* |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 8·4 | + 2·3 | 51 | 0 | 37 | | | | | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 72 | 11th | 50 | 6th | 66·7 | 54·3 | 60·1 | + 0·4 | 127 | 0 | 2 | 0·69 | + 0·19 | | | | 0 | 49 | | | | | Dublin City. |
| *a*, East .. { *a* Kilkenny .. .. | 212 | 74 | 10th | 44 | 6th | 68·1 | 52·8 | 59·8 | + 0·9 | 125 | 0 | 1 | 0·17 | − 0·41 | | | | | | | | | | |
| *a* Waterford .. .. | 20 | 76 | 10th | 45 | 6th | 68·4 | 53·6 | 60·5 | + 1·8 | 130 | 0 | 2 | 0·28 | − 0·42 | | | | | | | | | | |
| *a* *Seskin, Carrick-on-Suir* | *541* | *70* | *11th* | *46* | *6th* | *65·0* | *51·9* | *58·0* | — | *112* | *0* | *5* | *0·39* | — | 5·7 | — | 35 | 0 | 37 | | | | | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 76 | 11th | 46 | 5th | 68·3 | 52·3 | 59·7 | + 2·1 | 124 | 0 | 4 | 0·39 | − 0·21 | 4·4 | − 0·6 | 27 | | | | | | | Birr Castle. |
| *a* Foynes .. .. .. | 50 | 70 | 11th | 48 | 5th | 66·0 | 53·0 | 59·1 | + 1·0 | 120 | 0 | 4 | 0·55 | − 0·05 | | | | | | | | | | |
| *a* Cahir .. .. .. | 199 | 72 | 11th | 43 | 5th | 67·6 | 52·0 | 59·3 | + 0·9 | 121 | 0 | 5 | 0·48 | — | | | | | | | | | | |
| *b*, West .. { *a* Killarney .. .. | 174 | 70 | 11th | 50 | 9th | 66·4 | 53·6 | 59·6 | + 1·9 | 123 | 0 | 5 | 0·59 | − 0·10 | | | | | | | | | | |
| *a* Valencia .. .. | 30 | 70 | 10th | 49 | 9th | 62·6 | 52·9 | 57·4 | − 0·2 | 108 | 0 | 6 | 0·79 | − 0·02 | 1·6 | − 4·0 | 10 | | | | | | | Valencia. |
| *a* Roche's Point .. .. | 32 | 66 | 11th | 49 | 5, 6 | 63·1 | 53·0 | 57·7 | − 0·4 | 110 | 0 | 6 | 0·48 | − 0·16 | 3·3 | — | 20 | | | | | | | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 67 | 11th | 52 | 6, 7 | 63·4 | 54·0 | 58·4 | − 1·3 | 115 | 0 | 5 | 0·29 | − 0·18 | 6·4 | − 1·3 | 40 | | | | | | | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 78 | 10th | 54 | 6, 7 | 67·9 | 56·7 | 61·9 | + 1·2 | 139 | 0 | 5 | 1·97 | + 1·47 | 7·3 | − 0·7 | 46 | | | | | | | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 78 | 11th | 52 | 6, 7 | 67·6 | 54·7 | 60·7 | + 0·5 | 131 | 0 | 3 | 0·42 | − 0·07 | 8·1 | − 0·1 | 51 | 0 | 47 | 63·9 | +2·2 | 60·3 | +1·6 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 9·3 hrs. 58 %; Ramsgate, 8·4 hrs. 52 %; Rhyl, 8·5 hrs. 51 %; Salcombe, 9·4 hrs. 58 %; Tenby, 8·8 hrs. (+1·5) 54 %; Torquay, 7·7 hrs. (+0·2) 48 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, July 11th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 52 | 51 | 51·7 | +0·9 |
| Kirkwall .. .. | 56 | 55 | 55·2 | +2·0 |
| Wick .. .. .. | 49 | 47 | 47·9 | −4·2 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 60 | 55 | 57·6 | +3·1 |
| Pennan Bay .. .. | 60 | 57 | 58·7 | +4·9 |
| Aberdeen, Cove Bay | 56 | 55 | 56·2 | +3·7 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 54 | 53 | 53·1 | −1·4 |
| Ballantrae .. .. | 58 | 52 | 53·9 | −0·4 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 55 | 49 | 51·6 | −0·4 |
| Scarborough .. .. | 57 | 54 | 55·7 | +1·9 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | — | — | — | — |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | — | — | — | — |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 57 | 55 | 56·2 | +2·3 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 61 | 60 | 60·1 | +1·1 |
| Scilly .. .. .. | 60 | 56 | 58·1 | — |
| Plymouth‡ .. .. | 62 | 59 | 60·6 | +2·5 |
| Salcombe .. .. | 60 | 57 | 58·9 | +3·0 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 60 | 57 | 58·4 | +1·3 |
| Teelin .. .. .. | 63 | 55 | 58·6 | +0·4 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 60 | 55 | 58·0 | +1·8 |
| Seafield .. .. | 65 | 57 | 61·2 | +1·7 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, July 11th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. | 75 | — | — | — | — | 2 | 166 | S. by E. 6 | 7th 15h. | 11 7th 15.0 |
| Aberdeen .. .. | 105 | — | — | — | — | 18 | 150 | S. by E. 8 | 7th 11h. | 14 7th 11.0 |
| Rosyth .. .. | 73 | — | — | — | — | 31 | 137 | ESE. 9 | 10th 13h. | 12 6th 23.35 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | — | — | 22 | 146 | SSW. 8 | 7th 12h. | 13 6th 14.7 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 5 | 163 | E. by N. 6 | 11th 14h. | 12 10th 18.0 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | — | 168 | S. by E. 5 | 8th 15h. | 8 8th 15.0 |
| South Shields .. | 61 | — | — | — | — | 11 | 157 | SSE. 8 | 8th 16h. | 10 11th 21.10 |
| Spurn Head .. | 40 | — | — | — | — | 54 | 114 | ? ? | ? ? | 12 6th 21.10 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 8th | 1 | 34 | 133 | — 11 | 8th 13h. | 15 6th 9.25 |
| Shoeburyness .. | 90 | — | — | — | — | 33 | 135 | — 10 | 6th 17h. | 13 6th 16.40 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 6th | 3 | 57 | 108 | — 12 | 6th 13h. | 17 6th 12.25 |
| Warlingham .. | 33 | — | — | — | — | 12 | 156 | — 8 | 6th 17h. | 13 6th 20.45 |
| Brighton .. .. | 53 | — | — | — | — | 53 | 115 | — 9 | 10th 22h. | 15 10th 23.0 |
| Kew .. .. .. | 40 | — | — | — | — | 13 | 155 | SSW. 8 | 6th 18h. | 12 6th 17.40 |
| South Kensington | 92 | — | — | — | — | — | 168 | WSW. 5 | 6th 18h. | 9 7th 15.10 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | — | 168 | WSW. 3 | 9th 12h. | 7 11th 13.30 |
| Southport .. .. | 62 | — | — | — | — | 27 | 141 | W. by S. 9 | 6th 13h. | 12 11th 13.25 |
| Holyhead .. .. | 40 | — | — | — | — | 63 | 105 | S. by E. 8 | 5th 1h. | 12 8th 18.45 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | — | — | 5, 6, 8, 10 | 19 | 93 | 51 | WSW. 13 | 6th 21h. | 18 5th 4.55 |
| Plymouth .. .. | 86 | — | — | 5th | 3 | 57 | 108 | — 15 | 5th 4h. | 20 5th 3.55 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 5, 10 | 10§ | 115§ | 42§ | — 13 | 10th 14h. | 19 10th 13.40 |
| Crosshaven † .. | 30 | — | — | — | — | 40 | 128 | — 11 | 10th 13h. | 15 10th 12.25 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | 5th | 2§ | 78§ | 85§ | NW. 12 | 5th 2h. | 16 5th 2.20 |

† The Anemograph from Roches Point has been moved to Crosshaven on the W. of Cork Harbour. The records entered for Roches Point from June 21st refer to Crosshaven.

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907–1911, but in some cases for 1908–1911, or 1909–1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**TWENTY-SEVENTH WEEK**—July 5th to July 11th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest. | Lowest. | Means of | | | | Accumulated Number of Day-Degrees. | | | | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | | | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | | | | | | | | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| **0.** SCOTLAND, NORTH ... | 78 | 43 | 64·4 | 51·0 | 57·2 | + 2·7 | 106 | + 18 | 0 | 0 | 3 | − 1 | 0·68 | −0·16 | 5·2 | +0·8 | 29 | 1014 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 74 | 37 | 67·5 | 50·1 | 58·2 | + 1·9 | 113 | + 13 | 0 | 0 | 2 | − 2 | 0·43 | −0·20 | 6·0 | +0·3 | 35 | 1014 |
| **2.** ENGLAND, N.E. ... ... | 79 | 43 | 69·1 | 52·0 | 59·9 | + 1·3 | 125 | + 9 | 0 | 0 | 2 | − 1 | 0·17 | −0·29 | 7·0 | +0·3 | 42 | 1016 |
| **3.** ENGLAND, EAST ... | 81 | 44 | 70·6 | 52·5 | 60·9 | + 0·4 | 132 | + 3 | 0 | 0 | 3 | 0 | 0·37 | −0·05 | 7·9 | +0·5 | 48 | 1017 |
| **4.** MIDLAND COUNTIES ... | 83 | 45 | 71·0 | 51·8 | 60·7 | + 0·8 | 131 | + 5 | 0 | 0 | 3 | 0 | 0·56 | +0·09 | 6·9 | +0·2 | 42 | 1016 |
| **5.** ENGLAND, S.E. ... ... | 84 | 46 | 69·6 | 54·2 | 61·4 | + 0·4 | 136 | + 3 | 0 | 0 | 3 | + 1 | 0·54 | +0·14 | 8·6 | +1·0 | 53 | 1017 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 78 | 43 | 67·5 | 52·0 | 59·2 | + 2·1 | 120 | + 15 | 0 | 0 | 3 | − 1 | 0·30 | −0·49 | 5·3 | −0·7 | 31 | 1015 |
| **7.** ENGLAND, N.W. ... ... | 79 | 41 | 69·0 | 52·3 | 60·1 | + 1·4 | 127 | + 10 | 0 | 0 | 4 | + 1 | 0·41 | −0·17 | 6·9 | +0·5 | 41 | 1015 |
| **8.** ENGLAND, S.W. ... ... | 84 | 44 | 67·2 | 53·4 | 59·8 | + 0·4 | 125 | + 3 | 0 | 0 | 4 | + 1 | 0·76 | +0·23 | 6·8 | −0·2 | 42 | 1015 |
| **9.** IRELAND, NORTH ... | 76 | 44 | 66·2 | 52·8 | 59·0 | + 1·6 | 119 | + 11 | 0 | 0 | 3 | − 1 | 0·31 | −0·32 | 6·4 | +1·6 | 38 | 1012 |
| **10.** IRELAND, SOUTH ... | 76 | 43 | 66·4 | 53·0 | 59·2 | + 0·4 | 120 | + 2 | 0 | 0 | 4 | 0 | 0·49 | −0·11 | 4·4 | −1·0 | 27 | 1013 |
| **11.** ENGLISH CHANNEL ... | 78 | 52 | 66·3 | 55·1 | 60·3 | − 0·3 | 128 | − 3 | 0 | 0 | 4 | + 1 | 0·89 | +0·44 | 7·3 | −1·2 | 45 | 1016 |

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 6 Weeks, May 31st to July 11th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 78 | 37 | * | * | * | * | 490 | + 36 | 0 | − 4 | 21 | − 2 | 2·44 | −1·50 | 5·3 | +0·2 | 30 | 1017 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 88 | 30 | * | * | * | * | 566 | + 56 | 0 | − 3 | 16 | − 4 | 2·60 | −0·55 | 6·6 | +0·6 | 38 | 1016 |
| **2.** ENGLAND, N.E. ... ... | 85 | 33 | * | * | * | * | 635 | + 72 | 0 | 0 | 15 | − 2 | 4·32 | +1·72 | 7·2 | +0·9 | 43 | 1017 |
| **3.** ENGLAND, EAST ... | 87 | 38 | * | * | * | * | 715 | + 72 | 0 | 0 | 16 | 0 | 2·63 | −0·11 | 7·9 | +0·9 | 48 | 1017 |
| **4.** MIDLAND COUNTIES ... | 88 | 35 | * | * | * | * | 701 | + 63 | 0 | − 1 | 15 | − 2 | 4·05 | +1·18 | 7·3 | +1·0 | 44 | 1017 |
| **5.** ENGLAND, S.E. ... ... | 90 | 36 | * | * | * | * | 727 | + 48 | 0 | 0 | 14 | − 1 | 2·18 | −0·42 | 8·6 | +1·5 | 53 | 1017 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 79 | 35 | * | * | * | * | 596 | + 38 | 0 | − 1 | 18 | − 2 | 2·00 | −2·06 | 6·4 | +0·1 | 38 | 1017 |
| **7.** ENGLAND, N.W. ... ... | 82 | 36 | * | * | * | * | 643 | + 40 | 0 | 0 | 17 | − 2 | 3·27 | +0·11 | 7·1 | +0·5 | 43 | 1018 |
| **8.** ENGLAND, S.W. ... ... | 86 | 34 | * | * | * | * | 673 | + 36 | 0 | 0 | 19 | + 1 | 4·28 | +1·18 | 6·9 | 0·0 | 43 | 1017 |
| **9.** IRELAND, NORTH ... | 78 | 35 | * | * | * | * | 559 | − 2 | 0 | 0 | 19 | − 3 | 2·19 | −1·45 | 5·3 | −0·3 | 32 | 1017 |
| **10.** IRELAND, SOUTH ... | 80 | 39 | * | * | * | * | 658 | + 35 | 0 | 0 | 17 | − 3 | 2·35 | −1·18 | 6·1 | 0·0 | 37 | 1018 |
| **11.** ENGLISH CHANNEL ... | 83 | 42 | * | * | * | * | 688 | + 14 | 0 | 0 | 17 | − 2 | 2·87 | +0·26 | 7·1 | −1·1 | 45 | 1018 |

THE YEAR.—Aggregates, &c., for the Period of 27 Weeks, January 4th, 1914, to July 11th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 78 | 16 | * | * | * | * | 939 | + 97 | 391 | −166 | 123 | 0 | 24·72 | +0·50 | 3·5 | 0·0 | 27 | 1008 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 1153 | +179 | 492 | −128 | 99 | − 1 | 14·53 | +0·60 | 4·4 | +0·3 | 34 | 1010 |
| **2.** ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 1357 | +315 | 299 | −176 | 90 | − 1 | 11·27 | +0·62 | 4·7 | +0·3 | 37 | 1012 |
| **3.** ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 1496 | +250 | 299 | −222 | 86 | − 3 | 11·20 | +0·60 | 5·2 | +0·6 | 41 | 1014 |
| **4.** MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 1497 | +228 | 367 | −166 | 89 | + 1 | 12·28 | +0·20 | 4·6 | +0·4 | 36 | 1014 |
| **5.** ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 1559 | +208 | 240 | −141 | 88 | + 4 | 13·99 | +2·24 | 5·5 | +0·8 | 43 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 79 | 18 | * | * | * | * | 1189 | +115 | 317 | −108 | 113 | + 7 | 20·69 | −0·58 | 4·1 | −0·1 | 32 | 1010 |
| **7.** ENGLAND, N.W. ... ... | 82 | 22 | * | * | * | * | 1344 | +199 | 227 | −159 | 99 | + 2 | 15·43 | +0·48 | 4·5 | +0·3 | 36 | 1013 |
| **8.** ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 1496 | +183 | 192 | −109 | 104 | + 9 | 20·95 | +4·25 | 4·9 | +0·2 | 39 | 1014 |
| **9.** IRELAND, NORTH ... | 78 | 25 | * | * | * | * | 1237 | + 93 | 246 | − 99 | 118 | + 4 | 18·18 | +1·13 | 3·9 | −0·1 | 30 | 1011 |
| **10.** IRELAND, SOUTH ... | 80 | 24 | * | * | * | * | 1500 | +145 | 174 | − 85 | 114 | +11 | 19·18 | +0·72 | 4·5 | +0·1 | 35 | 1013 |
| **11.** ENGLISH CHANNEL ... | 83 | 25 | * | * | * | * | 1687 | +189 | 72 | − 37 | 100 | − 3 | 16·25 | +2·22 | 5·4 | −0·2 | 43 | 1015 |

M.O., July 15, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 28. TWENTY-EIGHTH WEEK, SUNDAY, JULY 12TH, TO SATURDAY, JULY 18TH, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

The distribution of pressure over these Islands was mainly cyclonic and the winds between West and South or South-East. As the disturbing systems were of little depth the force of the wind was light or moderate, but some unusually heavy falls of rain were experienced over an extensive area in England. On the 15th a small secondary depression gave more than an inch of rain to many places in the Eastern Counties, and a copious fall in some parts of Kent. At Clacton-on-Sea the quantity was 1·6 in. and at Shoeburyness 1·8 in. On the following day a well-marked depression that had advanced from the westward brought large amounts of rain to the northern districts of England. At several stations the fall was 1·5 in.; the highest 1·7 in. at Aspatria and Lancaster.

Thunderstorms were experienced on irregular dates over a wide area, but were not associated with the heavy falls of rain. In many localities they occurred on the 12th, at others between the 13th and 15th, and at Little Massingham on the 16th.

Mist or fog was again prevalent at times along the north-eastern, eastern and south-western seaboards of Great Britain.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Very unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Moderate | Moderate |
| | Rainfall ... | Light | Moderate | Heavy | Heavy | Moderate | Moderate | Moderate | Heavy | Moderate | Moderate | Moderate | Light |
| | Sunshine ... | Scanty | Scanty | Very scanty | Moderate | Very scanty | Moderate | Scanty | Scanty | Scanty | Moderate | Moderate | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 7 weeks from May 31st, 1914. | Warmth ... | 3 * 0 | 4 * 1 | 4 * 0 | 3 * 0 | 3 * 0 | 3 * 0 | 3 * 1 | 3 * 0 | 3 * 0 | 3 * 1 | 1 * 0 | 2 * 1 |
| | Rainfall ... | 0 * 2 | 1 * 2 | 3 * 2 | 2 * 1 | 2 * 2 | 0 * 1 | 0 * 4 | 3 * 1 | 2 * 2 | 0 * 4 | 1 * 2 | 3 * 2 |
| | Sunshine ... | 2 * 1 | 2 * 1 | 2 * 2 | 3 * 1 | 3 * 2 | 3 * 0 | 1 * 2 | 3 * 2 | 1 * 3 | 2 * 2 | 2 * 2 | 0 * 4 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| | Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| | Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| | Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3 * 1 | 6 * 0 | 8 * 1 | 8 * 2 | 6 * 1 | 7 * 1 | 5 * 3 | 5 * 1 | 8 * 1 | 6 * 3 | 6 * 2 | 9 * 1 |
| | Rainfall ... | 5 * 2 | 5 * 5 | 4 * 6 | 4 * 5 | 4 * 5 | 5 * 4 | 6 * 4 | 4 * 5 | 7 * 6 | 5 * 5 | 4 * 6 | 6 * 5 |
| | Sunshine ... | 4 * 4 | 4 * 2 | 3 * 2 | 6 * 5 | 4 * 5 | 4 * 1 | 4 * 2 | 4 * 2 | 4 * 2 | 4 * 4 | 4 * 4 | 4 * 4 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(1955—19.) Wt. 229—611. 450. 7/14. D & S. G. 17/ 86.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts | Lowest Reading. | Earth 1 ft. Mean | Difference from Average. | Earth 4 ft. Mean | Difference from Average. | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | *63* | *17, 18* | *50* | *12th* | *59·7* | *52·1* | *55·6* | — | *95* | *0* | *3* | *0·08* | — | *1·8* | — | *10* | | | | | | | *Baltasound.* |
| *a* Islands .. *a* Lerwick .. | 63 | 63 | 15, 17 | 50 | 12, 13 | 59·3 | 51·9 | 55·3 | + 3·6 | 93 | 0 | 2 | 0·02 | — | 3·2 | - 1·4 | 18 | | | 56·5 | | | | Deerness. |
| *a* Stornoway | 51 | 72 | 12th | 53 | 13, 16 | 56·1 | 54·6 | 60·0 | + 6·3 | 126 | 0 | 5 | 0·10 | - 0·57 | 4·1 | - 1·0 | 23 | | | | | | | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *63* | *12th* | *53* | *16, 17, 18* | *60·4* | *55·1* | *57·6* | + *3·6* | *109* | *0* | *4* | *0·47* | — | *5·3* | — | *31* | | | | | | | *Castlebay.* |
| *a* Wick | 81 | 62 | 15th | 51 | 16th | 59·4 | 52·7 | 55·8 | + 1·7 | 97 | 0 | 3 | 0·21 | - 0·36 | | | | | | | | | | |
| *b*, Main- *p* Strathpeffer | 200 | 76 | 12th | 50 | 15th | 70·4 | 55·4 | 62·4 | + 6·7 | 143 | 0 | 7 | 0·53 | - 0·09 | 3·1 | - 1·3 | 18 | | | | | | | Strathpeffer. |
| land. *p* Glencarron | 500 | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Fort Augustus | 68 | 73 | 13th | 53 | 13, 15, 16 | 67·0 | 54·9 | 60·5 | + 5·0 | 130 | 0 | 5 | 0·30 | - 0·33 | 2·2 | - 1·4 | 13 | | | | | | | Fort Augustus. |
| *p* Fort William | 175 | 74 | 12, 14 | 51 | 16th | 68·7 | 55·0 | 61·4 | + 5·2 | 136 | 0 | 6 | 0·53 | - 0·54 | | | | | | | | | | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle | 101 | 79 | 13th | 52 | 18th | 71·1 | 54·3 | 62·1 | + 5·6 | 141 | 0 | 2 | 1·01 | + 0·31 | 4·0 | — | 23 | 0 | 45 | 61·3 | +3·4 | 56·0 | +2·4 | Crathes S. |
| *a* Nairn | 82 | 72 | 14th | 48 | 12th | 66·6 | 53·7 | 59·7 | + 3·5 | 124 | 0 | 6 | 1·16 | + 0·60 | *5·2* | — | *30* | | | | | | | *Gordon Castle.* |
| *a* Aberdeen | 46 | 72 | 15th | 55 | 12, 16, 18 | 65·7 | 55·4 | 60·2 | + 4·1 | 127 | 0 | 2 | 0·95 | + 0·35 | 3·7 | — | 21 | | | | | | | Nairn. |
| *a* Balmoral | 930 | 82 | 13th | 43 | 16th | 71·9 | 49·1 | 59·7 | + 5·7 | 124 | 0 | 3 | 0·35 | - 0·25 | 2·9 | - 2·6 | 17 | | | | | 55·1 | +2·8 | Aberdeen. |
| *p* Crieff | 432 | 72 | 13th | 51 | 15th | 65·9 | 54·4 | 59·8 | + 2·3 | 125 | 0 | 6 | 1·15 | + 0·47 | 2·9 | — | 17 | | | | | | | Balmoral. |
| *a* Leith | 18 | 74 | 14th | 54 | 13, 15 | 66·4 | 55·3 | 60·5 | + 2·6 | 130 | 0 | 5 | 1·06 | + 0·49 | | | | | | | | | | Balruddery. |
| *a* West Linton | 800 | 70 | 12, 13 | 45 | 13th | 65·0 | 50·1 | 57·0 | + 1·7 | 105 | 0 | 5 | 0·76 | — | *3·6* | — | *21* | 0 | 42 | | | | | |
| *p* Marchmont | 498 | 76 | 13th | 52 | 18th | 68·3 | 53·4 | 60·3 | + 4·1 | 128 | 0 | 4 | 0·65 | - 0·05 | 4·7 | - 1·0 | 28 | 0 | 50 | 62·4 | +4·4 | | | *West Linton.* |
| *a Edinburgh* | *441* | *72* | *13th* | *52* | *13th* | *66·0* | *54·4* | *59·3* | — | *121* | *0* | *5* | *1·18* | — | 3·7 | — | 22 | 0 | 44 | | | | | Marchmont. |
| **6.** *a*, SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | Edinburgh. |
| *a* Poltalloch | 132 | 69 | 14th | 48 | 16th | 64·3 | 54·7 | 59·2 | + 1·8 | 120 | 0 | 5 | 0·76 | - 0·11 | | | | | | | | | | |
| *p* Glasgow Observatory | 180 | 72 | 14th | 53 | 13th | 66·6 | 56·0 | 60·9 | + 3·7 | 132 | 0 | 6 | 0·94 | + 0·25 | 2·3 | - 2·6 | 14 | 0 | 42 | | | | | Glasgow. |
| *p* Rothesay | 90 | | | | | | | | | | | | | | *3·8* | — | *22* | | | | | | | *Rothesay.* |
| *a* Kilmarnock | 90 | 76 | 18th | 45 | 16th | 69·3 | 51·0 | 59·5 | + 2·0 | 123 | 0 | 2 | 0·44 | — | *3·5* | — | *21* | | | | | | | *Kilmarnock.* |
| *a* Colmonell | 150 | 71 | 12th | 48 | 16th | 65·9 | 55·1 | 60·1 | + 3·0 | 127 | 0 | 5 | 1·59 | + 0·90 | | | | 0 | 45 | | | | | |
| *p* Dumfries | 160 | 70 | 12th | 52 | 16th | 66·6 | 55·4 | 60·6 | + 2·1 | 130 | 0 | 6 | 0·62 | - 0·08 | *4·4* | — | *26* | 0 | 48 | 63·0 | | 59·2 | | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 70 | 15th | 46 | 16th | 68·1 | 54·0 | 59·6 | + 2·2 | 123 | 0 | 6 | 0·83 | + 0·03 | | | | | | | | | | |
| *b*, I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 66 | 11th | 53 | 15th | 63·6 | 54·9 | 59·0 | + 2·3 | 119 | 0 | 4 | 0·53 | - 0·14 | 5·6 | - 1·0 | 34 | 0 | 51 | | | | | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 70 | 15th | 51 | 15th | 67·3 | 54·9 | 60·7 | + 3·7 | 131 | 0 | 4 | 0·79 | + 0·19 | 2·8 | — | 17 | 0 | 46 | 61·6 | +3·5 | 57·7 | +3·5 | Cockle Park. |
| *a* Tynemouth | 96 | 71 | 14th | 54 | 12, 13 | 64·9 | 55·1 | 59·7 | + 2·5 | 124 | 0 | 4 | 2·13 | + 1·60 | *2·0* | — | *12* | | | | | | | Tynemouth. |
| *p* Durham | 336 | 75 | 13th | 49 | 15th | 67·6 | 54·0 | 60·3 | + 2·0 | 128 | 0 | 4 | 1·37 | + 0·74 | 2·9 | - 2·6 | 17 | 0 | 46 | | | | | Durham. |
| *a*, North *p* Rounton | 249 | 77 | 13th | 48 | 12th | 69·1 | 54·0 | 61·0 | + 3·7 | 133 | 0 | 4 | 1·05 | + 1·09 | | | | 0 | 47 | 63·2 | | | | Rounton. |
| *a West Witton* | *605* | *75* | *13th* | *51* | *15th* | *67·1* | *53·9* | *60·0* | — | *126* | *0* | *5* | *0·98* | — | | | | 0 | 47 | 61·6 | | 55·6 | | *West Witton.* |
| *p* Scarborough | 100 | 73 | 14th | 50 | 15th | 65·9 | 54·6 | 59·9 | + 1·4 | 125 | 0 | 3 | 1·69 | + 1·17 | 2·7 | — | 16 | | | | | 59·7† | | Scarborough. |
| *p* York | 56 | 78 | 13th | 50 | 17th | 69·9 | 50·6 | 62·8 | + 3·2 | 146 | 0 | 3 | 1·24 | + 0·69 | 2·2 | - 3·6 | 13 | | | 62·8 | +4·4 | 58·0 | +3·3 | York. |
| *a* Spurn Head | 26 | 75 | 18th | 55 | 17th | 68·7 | 57·0 | 62·4 | + 3·5 | 143 | 0 | 3 | 0·12 | - 0·25 | *1·3* | — | *8* | 0 | 51 | 63·3 | +4·2 | 56·4 | +2·6 | *Hull.* |
| *b*, South *a* Lincoln | 58 | 80 | 12th | 52 | 16th | 73·3 | 56·9 | 64·5 | + 4·0 | 158 | 0 | 5 | 0·33 | - 0·17 | *3·1* | — | *19* | | | | | | | *Spurn Head.* |
| *a* Fulbeck | 180 | 78 | 12, 13, 14 | 51 | 16th | 72·7 | 55·0 | 63·2 | + 3·0 | 148 | 0 | 6 | 0·44 | - 0·06 | | | | | | 66·3 | +6·8 | 59·7 | +4·6 | Lincoln. |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | 4·4 | — | 27 | 0 | 49 | 65·3 | +2·0 | 58·7 | +2·2 | Rauceby. |
| *p* Cromer | 196 | 85 | 14th | 52 | 16th | 71·1 | 57·0 | 63·6 | + 4·1 | 151 | 0 | 3 | 0·91 | — | 5·6 | — | 34 | | | | | | | Skegness. |
| *p* Little Massingham | 280 | 85 | 12th | 50 | 16th | 75·4 | 55·7 | 64·9 | + 5·0 | 160 | 0 | 5 | 0·51 | - 0·08 | *6·5* | — | *40* | 0 | 51 | 67·4 | +5·4 | 60·8 | +3·2 | *Lowestoft.* |
| *a*, North *a* Yarmouth | 17 | 73 | 14th | 54 | 12th | 69·7 | 58·7 | 63·8 | + 4·3 | 153 | 0 | 1 | 0·59 | + 0·06 | 6·2 | — | 38 | 0 | 50 | | | | | Cromer. |
| *a* Norwich | 93 | 84 | 14th | 52 | 16th | 74·9 | 56·8 | 65·2 | + 5·3 | 162 | 0 | 3 | 1·24 | — | 6·7 | — | 41 | | | 68·7 | +4·9 | 61·6 | +1·8 | Lit. Massingham. |
| *a* Geldeston | 37 | 84 | 14th | 54 | 12, 16 | 74·1 | 57·4 | 65·2 | + 5·5 | 162 | 0 | 2 | 0·95 | + 0·48 | *6·2* | — | *38* | 0 | 48 | 67·3 | | | | Yarmouth. |
| | | | | | | | | | | | | | | | 7·0 | + 0·1 | 43 | | | | | | | *Norwich.* |
| *p* Cambridge | 41 | 82 | 12th | 50 | 16, 17 | 74·7 | 54·1 | 63·7 | + 2·5 | 152 | 0 | 3 | 0·35 | - 0·16 | 5·4 | - 1·4 | 33 | 0 | 46 | 65·0 | +3·2 | 60·0 | +2·0 | Geldeston. |
| *a Feltwstowe* | *10* | *75* | *13th* | *56* | *18th* | *70·6* | *60·3* | *65·1* | + *4·2* | *162* | *0* | *2* | *1·14* | — | *7·0* | — | *44* | | | | | | | Cambridge. |
| *b*, South *a* Clacton-on-Sea | 54 | 74 | 13, 14 | 54 | 16th | 70·3 | 58·0 | 63·7 | + 3·0 | 152 | 0 | 2 | 1·61 | — | 6·3 | — | 34 | 0 | 51 | 65·4 | +5·4 | 60·7 | +2·4 | *Felixstowe.* |
| *a* Rothamsted | 424 | 78 | 14th | 50 | 16, 18 | 72·9 | 54·4 | 63·0 | + 3·2 | 147 | 0 | 4 | 0·24 | - 0·30 | 6·8 | 0·0 | 42 | | | | | | | Clacton. |
| *a Shoeburyness* | *13* | *81* | *13th* | *56* | *16, 18* | *73·4* | *58·9* | *65·7* | + *3·1* | *166* | *0* | *3* | *1·94* | + *1·54* | *7·2* | — | *45* | 0 | 53 | 68·6 | +5·0 | | | Rothamsted. |
| *p* Tottenham | 51 | 81 | 12th | 56 | 16, 17, 18 | 76·1 | 58·4 | 66·6 | + 5·0 | 172 | 0 | 2 | 0·11 | — | 7·1 | — | 44 | 0 | 49 | | | 61·4 | +2·3 | *Southend.* |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | Tottenham. |
| *a* Harrogate | 476 | 75 | 13th | 51 | 16th | 66·1 | 54·0 | 59·6 | + 2·2 | 123 | 0 | 4 | 1·14 | + 0·60 | *2·8* | — | *17* | 0 | 49 | 62·6 | +2·1 | 56·0 | +2·0 | *Huddersfield.* |
| *a* Bawtry | 65 | 79 | 14th | 54 | 16, 17 | 71·7 | 56·1 | 63·4 | + 3·6 | 150 | 0 | 3 | 0·20 | - 0·30 | 2·6 | — | 16 | 0 | 49 | 60·4 | +4·3 | 58·0 | +3·8 | Harrogate. |
| *p Buxton* | *987* | *73* | *13th* | *50* | *15th* | *67·1* | *53·0* | *59·6* | + *2·8* | *123* | *0* | *5* | *1·28* | + *0·46* | 2·0 | - 3·4 | 12 | 0 | 45 | 62·9 | | 58·6 | | Worksop. |
| *a*, East *a* Nottingham | 82 | 78 | 13th | 51 | 16th | 70·9 | 55·6 | 62·7 | + 2·3 | 145 | 0 | 4 | 0·79 | + 0·29 | *2·6* | — | *16* | 0 | 47 | 61·2 | +2·4 | 57·9 | +5·4 | *Buxton.* |
| *p* Birmingham, Edgbsn. | 535 | 73 | 13th | 51 | 16th | 68·4 | 55·6 | 61·6 | + 2·2 | 137 | 0 | 7 | 0·76 | + 0·26 | 2·5 | — | 15 | 0 | 47 | 64·1 | +4·2 | 60·0 | +3·9 | Nottingham. |
| *a* Raunds | 203 | 82 | 14th | 48 | 16th | 76·0 | 54·7 | 64·6 | + 3·9 | 158 | 0 | 4 | 0·53 | — | 3·2 | — | 20 | 0 | 42 | 58·6 | +3·3 | 53·7 | +2·0 | Birmingham. |
| *p* Oxford | 208 | 75 | 12, 14 | 51 | 16th | 71·7 | 55·9 | 63·3 | + 2·5 | 149 | 0 | 4 | 0·55 | 0·00 | *4·8* | — | *29* | 0 | 43 | 65·6 | | 57·2 | | *Raunds.* |
| | | | | | | | | | | | | | | | 5·4 | - 1·2 | 34 | 0 | 47 | | | | | Oxford. |
| *a* Cheadle | 646 | 76 | 13th | 49 | 16th | 68·0 | 53·9 | 60·5 | + 2·8 | 130 | 0 | 5 | 0·95 | + 0·34 | 3·3 | — | 20 | 0 | 50 | 61·7 | +3·9 | 55·9 | +2·6 | Sheffield. |
| *p* Shrewsbury | 191 | 74 | 13th | 53 | 16, 18 | 70·1 | 55·4 | 62·2 | + 3·0 | 141 | 0 | 3 | 0·12 | — | | | | 0 | 49 | | | | | Cheadle. |
| *b*, West *a* Hereford§ | 291 | 72 | 12th | 50 | 17th | 69·7 | 54·7 | 61·7 | + 1·6 | 138 | 0 | 6 | 0·39 | - 0·11 | *4·6* | — | *28* | 0 | 45 | 65·8 | | 61·7 | | Shrewsbury. |
| *a* Cirencester | 446 | 73 | 13th | 51 | 17, 18 | 70·6 | 54·1 | 61·8 | + 2·7 | 139 | 0 | 5 | 0·58 | + 0·01 | 5·0 | - 1·4 | 31 | 0 | 47 | 62·5 | | 58·2 | | *Malvern.*§ |
| *a* Bath | 66 | 72 | 12, 14 | 53 | 13, 15 | 70·4 | 55·7 | 62·5 | + 2·1 | 144 | 0 | 3 | 0·39 | - 0·18 | 6·3 | — | 39 | | | | | | | Cirencester. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | Bath. |
| *p* Kew | 18 | 80 | 14th | 55 | 16, 18 | 73·7 | 57·9 | 65·3 | + 4·0 | 163 | 0 | 3 | 0·48 | - 0·04 | 5·7 | - 1·0 | 35 | 0 | 47 | 63·3 | +3·1 | 61·3 | +3·4 | Canterbury |
| *a* Marlborough | 424 | 73 | 14th | 48 | 17, 18 | 70·9 | 52·2 | 60·9 | + 1·6 | 132 | 0 | 5 | 0·77 | + 0·29 | 6·5 | + 0·4 | 40 | 0 | 49 | 65·3 | +4·1 | 59·2 | +2·6 | Kew. |
| *a* Margate | 35 | 80 | 14th | 55 | 18th | 71·6 | 59·0 | 64·9 | + 3·7 | 160 | 0 | 2 | 0·66 | + 0·22 | 6·2 | - 0·2 | 39 | 0 | 44 | 64·5 | | 57·9 | | Marlborough. |
| *a* Wisley, Surrey | 150 | 77 | 13, 14 | 51 | 18th | 73·0 | 54·9 | 63·3 | - 1·2 | 149 | 0 | 3 | 0·83 | — | 6·2 | — | 39 | 0 | 53 | 63·4 | +5·7 | 61·4 | +4·1 | Margate. |
| | | | | | | | | | | | | | | | 7·1 | — | 44 | 0 | 45 | 65·9 | +4·2 | 60·2 | +2·2 | Wisley. |
| *p* Salisbury (Wilton) | 180 | 73 | 12, 13, 18 | 51 | 17, 18 | 71·7 | 53·9 | 62·2 | + 0·7 | 141 | 0 | 4 | 0·42 | - 0·09 | | | | 0 | 48 | 63·2 | +2·7 | 60·7 | +2·1 | Worthing. |
| *a* Tunbridge Wells | 418 | 79 | 12, 13 | 49 | 18th | 73·9 | 54·7 | 63·6 | + 3·2 | 151 | 0 | 2 | 0·36 | - 0·14 | | | | 0 | 49 | 66·6 | | | | Salisbury. |
| *a* Dungeness | 21 | 72 | 12th | 55 | 18th | 68·0 | 58·0 | 62·7 | + 2·2 | 145 | 0 | 3 | 0·66 | + 0·27 | 6·5 | - 0·3 | 41 | 0 | 43 | 65·1 | +2·2 | 59·4 | | Tunbridge Wells. |
| *p* Hastings | 178 | 79 | 12th | 52 | 18th | 69·9 | 56·4 | 62·7 | + 2·3 | 145 | 0 | 4 | 0·35 | - 0·14 | 7·6 | — | 48 | 0 | 48 | 67·2 | | 61·3 | | Littlestone. |
| *p* Southampton | 65 | 72 | 12-14, 18 | 54 | 13, 16, 18 | 71·3 | 58·9 | 65·6 | + 1·4 | 151 | 0 | 4 | 0·33 | - 0·20 | *6·3* | - *1·5* | *39* | 0 | 49 | | | | | *Hastings.* |
| *a* Ventnor | 80 | 71 | 14th | 56 | 16th | 68·6 | 58·1 | 63·0 | + 1·6 | 147 | 0 | 4 | 0·45 | - 0·03 | 6·3 | - 0·9 | 39 | 0 | 49 | | | | | Southampton. |
| | | | | | | | | | | | | | | | 8·2 | + 1·3 | 51 | | | | | | | Ventnor. |
| | | | | | | | | | | | | | | | 7·8 | — | *49* | 0 | 51 | 67·7 | +3·7 | 62·9 | +3·3 | *Portsmouth.* |
| LONDON. | | | | | | | | | | | | | | | | | | | | | | | | Eastbourne. |
| *a Westminster* | *27* | *78* | *14th* | *55* | *16, 18* | *73·8* | *57·9* | *65·3* | + *3·5* | *163* | *0* | *2* | *0·22* | - *0·28* | *5·3* | — | *33* | 0 | 50 | 64·7 | | 62·0 | | *Bournemouth.* |
| *a Greenwich* | *155* | *84* | *14th* | *53* | *16, 18* | *73·1* | *55·9* | *66·2* | + *3·5* | *169* | *0* | *4* | *0·33* | - *0·19* | *6·7* | — | *42* | 0 | 50 | | | 62·6 | | *Brighton.* |
| *a Hampstead* | *450* | *77* | *13, 14* | *52* | *16th* | *72·8* | *56·0* | *63·8* | — | *153* | *0* | *3* | *0·53* | — | *6·2* | + *0·4* | *39* | 0 | 51 | | | | | *Westminster.* |
| *a Camden Square* | *110* | *83* | *14th* | *53* | *16th* | *77·6* | *57·1* | *66·6* | — | *172* | *0* | *4* | *0·27* | — | *7·0* | - *0·4* | *44* | 0 | 42 | | | | | *Greenwich.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | *6·3* | — | *39* | 0 | 48 | | | | | *Hampstead.* |
| *p* Aspatria | 250 | 72 | 13th | 51 | 13, 16 | 66·0 | 54·4 | 59·8 | + 3·2 | 125 | 0 | 5 | 1·92 | + 1·14 | *5·9* | — | *37* | 0 | 51 | | | | | *Camden Square.* |
| *p* Newton Rigg | 559 | 72 | 13th | 48 | 16th | 66·0 | 52·9 | 59·0 | + 2·5 | 119 | 0 | 4 | 2·14 | + 1·50 | *2·3* | — | *14* | 0 | 42 | 60·8 | +2·1 | 55·6 | +1·7 | *Burnley.* |
| *p* Stonyhurst | 375 | 72 | 13th | 51 | 16th | 65·7 | 54·7 | 59·8 | + 1·4 | 125 | 0 | 5 | 1·77 | + 0·94 | 3·9 | — | 24 | | | | | | | Hoylake. |
| *p* Blackpool | 66 | 70 | 13, 14 | 51 | 13th | 65·1 | 54·9 | 59·6 | + 0·9 | 123 | 0 | 5 | 2·10 | + 1·50 | 4·0 | — | 24 | 0 | 45 | 62·3 | | 55·5 | | Aspatria. |
| *p* Manchester (Whit. Pk.) | 125 | 75 | 13th | 52 | 16th | 67·7 | 56·9 | 61·9 | + 2·3 | 139 | 0 | 4 | 1·25 | + 0·68 | 3·0 | - 3·8 | 18 | 0 | 37 | 61·7 | +2·3 | 56·1 | +1·7 | Newton Rigg. |
| *a* Liverpool (Bidston) | 188 | 73 | 14th | 55 | 15, 17, 18 | 66·1 | 56·7 | 61·1 | + 1·2 | 134 | 0 | 5 | 0·93 | + 0·35 | 3·6 | - 2·6 | 22 | 0 | 44 | 61·4 | | 56·1 | | Stonyhurst. |
| *a Hawarden Bridge* | *22* | *74* | *14th* | *52* | *18th* | *68·9* | *56·3* | *62·2* | + *2·6* | *141* | *0* | *5* | *0·37* | - *0·10* | *2·5* | - *2·6* | *15* | | | | | | | Blackpool. |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | *4·2* | — | *23* | | | | | | | *Whit. Park.* |
| *p* Llandudno | 71 | 73 | 14th | 56 | 13, 18 | 68·0 | 58·0 | 62·7 | + 3·4 | 145 | 0 | 2 | 0·16 | - 0·34 | *3·2* | - *3·3* | *19* | 0 | 46 | 61·8 | +1·6 | 61·1 | +1·6 | *Liverpool.* |
| *a* Holyhead | 57 | 67 | 15th | 55 | 16, 17 | 65·0 | 56·1 | 60·2 | + 2·5 | 127 | 0 | 4 | 0·29 | - 0·26 | *2·5* | — | *15* | 0 | 49 | 64·1 | +4·7 | 60·8 | +4·4 | *Southport.* |
| *Bettws-y-Coed* | 101 | *73* | *12th* | *53* | *14th* | *67·0* | *56·0* | *61·1* | + *2·2* | *134* | *0* | *2* | *0·01* | — | 4·6 | - 1·6 | 28 | | | | | | | *Manchester (City).* |
| | | | | | | | | | | | | | | | *5·7* | — | *35* | | | | | | | Llandudno. |
| | | | | | | | | | | | | | | | *3·6* | — | *22* | 0 | 48 | 60·3 | +2·8 | 54·7 | +1·3 | *Holyhead.* |
| | | | | | | | | | | | | | | | 4·7 | — | 29 | | | | | | | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | | | | | | | | | | Aberdovey. |

For note see also opposite page.

† At 3 ft.

§ Hoar frost.

The temperature on the grass refers to Hereford,

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft Mean. | Earth 1 ft Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Llangammarch Wells | 550 | 74 | 12th | 52 | 15th | 66·8 | 55·3 | 60·7 | + 3·0 | 131 | 0 | 6 | 0·35 | — | 3·1 | — | 19 | 0 | 41 | 61·3 | +4·2 | 54·4 | +1·7 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 64 | 12th | 55 | 12, 16 | 61·6 | 56·9 | 58·6 | + 0·9 | 116 | 0 | 7 | 0·38 | - 0·17 | 4·2 | - 2·7 | 26 | * | * | * | * | * | * | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 71 | 14th | 54 | 16th | 67·9 | 56·3 | 61·7 | + 1·2 | 138 | 0 | 4 | 0·35 | - 0·38 | *5·9* | — | *37* | 0 | 50 | 61·7 | +4·2 | 59·6 | +2·1 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 72 | 13th | 55 | 17th | 69·4 | 57·4 | 63·0 | + 1·8 | 147 | 0 | 5 | 0·36 | - 0·29 | *6·8* | — | *42* | 0 | 54 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 70 | 12th | 52 | 16th | 67·0 | 54·7 | 60·4 | + 1·1 | 129 | 0 | 5 | 1·09 | + 0·50 | * | * | * | * | * | 62·6 | * | 59·2 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 70 | 13th | 51 | 13th | 66·1 | 54·6 | 60·0 | + 2·5 | 126 | 0 | 6 | 0·56 | - 0·34 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *69* | *12th* | *52* | *12th* | *65·3* | *56·1* | *60·4* | + *0·9* | *129* | *0* | *5* | *0·14* | - *0·37* | 4·9 | - 2·0 | 31 | 0 | 48 | 63·4 | * | 58·7 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 75 | 12, 18 | 51 | 15th | 71·9 | 56·6 | 63·7 | + 3·9 | 152 | 0 | 5 | 0·17 | - 0·48 | 4·6 | - 1·6 | 29 | 0 | 46 | 65·5 | * | * | * | Cullompton. |
| *a* Portland .. .. | 19 | 66 | 13, 17 | 57 | 13, 16, 18 | 64·4 | 57·9 | 60·9 | + 1·4 | 132 | 0 | 4 | 0·55 | — | *6·6* | — | *41* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 69 | 12, 18 | 56 | 16th | 67·3 | 58·3 | 62·5 | + 2·0 | 144 | 0 | 4 | 0·44 | - 0·17 | 5·1 | - 1·7 | 32 | 0 | 52 | 66·8 | +2·8 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 69 | 12th | 55 | 15, 16 | 66·3 | 56·9 | 61·3 | + 1·7 | 135 | 0 | 6 | 0·38 | - 0·24 | 4·4 | - 2·9 | 28 | 0 | 51 | 64·9 | * | 61·3 | * | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. *a* Malin Head .. .. | 208 | 73 | 12th | 52 | 15th | 65·9 | 54·9 | 60·0 | + 4·1 | 126 | 0 | 4 | 1·14 | + 0·53 | 6·0 | — | 33 | * | * | * | * | * | * | |
| *a* Blacksod Point .. | 37 | 66 | 12, 13 | 50 | 15th | 63·3 | 54·0 | 58·3 | + 1·4 | 114 | 0 | 7 | 0·88 | + 0·22 | * | * | * | * | * | * | * | * | * | |
| *p* Markree Castle .. | 122 | 72 | 12th | 50 | 15th | 67·6 | 53·0 | 59·8 | + 3·4 | 125 | 0 | 7 | 0·94 | + 0·20 | 4·2 | - 0·2 | 25 | 0 | 45 | 61·8 | * | 55·9 | * | Markree Castle. |
| *a* Birr Castle .. | 175 | 73 | 12th | 51 | 15th | 67·1 | 55·1 | 60·7 | + 2·8 | 131 | 0 | 5 | 0·67 | + 0·04 | *4·4* | - *0·2* | *27* | * | * | * | * | * | * | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 72 | 12th | 50 | 15th | 67·7 | 54·9 | 60·9 | + 3·8 | 132 | 0 | 6 | 0·78 | + 0·12 | 3·9 | - 1·0 | 24 | 0 | 47 | 63·5 | +2·7 | 58·1 | +2·0 | Armagh. |
| *a* Donaghadee .. .. | 39 | 69 | 12, 18 | 52 | 16th | 65·7 | 54·4 | 59·7 | + 2·7 | 124 | 0 | 5 | 0·91 | + 0·29 | * | * | * | * | * | * | * | * | * | |
| | | | | | | | | | | | | | | | * | * | * | 0 | 46 | 63·3 | +2·6 | 58·3 | +1·7 | *Trinity Coll.* |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 6·5 | + 0·7 | 40 | 0 | 45 | * | * | * | * | Phœnix Park. |
| *a*, East .. *p* Dublin, City .. .. | 47 | 73 | 12th | 54 | 15, 16 | 67·6 | 56·7 | 61·8 | + 1·6 | 139 | 0 | 6 | 0·38 | - 0·16 | * | * | * | 0 | 54 | * | * | * | * | Dublin City. |
| *a* Kilkenny .. .. | 212 | 70 | 12th | 49 | 15th | 66·6 | 54·7 | 60·2 | + 1·2 | 127 | 0 | 7 | 0·95 | + 0·35 | * | * | * | * | * | * | * | * | * | |
| *a* Waterford .. .. | 20 | 68 | 12th | 50 | 15th | 65·9 | 54·9 | 60·0 | + 0·7 | 126 | 0 | 6 | 0·92 | + 0·19 | * | * | * | * | * | * | * | * | * | |
| *a Seskin, Carrick-on-Suir* | *541* | *67* | *17th* | *49* | *15th* | *64·3* | *52·5* | *58·0* | — | *112* | *0* | *7* | *0·75* | — | 3·9 | — | 24 | 0 | 42 | * | * | * | * | *Seskin.* |
| *b*, West .. *a* Birr Castle .. .. | 175 | 73 | 12th | 51 | 15th | 67·1 | 55·1 | 60·7 | + 2·8 | 131 | 0 | 5 | 0·67 | + 0·04 | 4·4 | - 0·2 | 27 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes .. .. .. | 50 | 71 | 12, 13 | 51 | 17th | 66·1 | 53·9 | 59·6 | + 1·1 | 123 | 0 | 6 | 1·20 | + 0·56 | * | * | * | * | * | * | * | * | * | |
| *a* Cahir .. .. .. | 199 | 68 | 12, 17 | 47 | 15th | 66·3 | 54·0 | 59·7 | + 0·8 | 124 | 0 | 6 | 0·69 | — | * | * | * | * | * | * | * | * | * | |
| *a* Killarney .. .. | 174 | 70 | 17th | 54 | 13, 14, 15 | 66·6 | 55·2 | 60·5 | + 2·4 | 130 | 0 | 7 | 0·95 | + 0·22 | * | * | * | * | * | * | * | * | * | |
| *a* Valencia .. .. | 30 | 65 | 13th | 54 | 13th | 61·6 | 55·6 | 58·4 | + 0·5 | 115 | 0 | 7 | 1·69 | + 0·86 | 2·4 | - 2·8 | 15 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. .. | 32 | 66 | 15, 17 | 52 | 14, 15 | 64·1 | 54·7 | 59·1 | + 0·5 | 120 | 0 | 6 | 0·28 | - 0·36 | 3·9 | — | 24 | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 66 | 12th | 55 | 15th | 63·4 | 56·0 | 59·4 | - 0·8 | 122 | 0 | 6 | 0·37 | - 0·14 | 3·9 | - 3·5 | 25 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 71 | 13th | 57 | 13, 15, 16 | 67·3 | 57·9 | 62·3 | + 0·8 | 142 | 0 | 2 | 0·08 | - 0·42 | 5·5 | - 2·5 | 35 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 72 | 13, 14 | 55 | 16th | 68·3 | 56·7 | 62·1 | + 1·4 | 141 | 0 | 5 | 0·10 | - 0·39 | 6·7 | - 1·5 | 42 | 0 | 51 | 66·3 | +3·7 | 61·6 | +2·3 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 7·3 hrs. 46 %; Ramsgate, 6·8 hrs. 43 %; Rhyl, 5·0 hrs. 31 %; Salcombe, 5·8 hrs. 36 %; Tenby, 6·4 hrs. (−0·6) 40 %; Torquay, 5·5 hrs. (−1·7) 35 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, July 18th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 53 | 52 | 52·3 | +0·7 |
| Kirkwall .. .. | 58 | 55 | 55·4 | +2·2 |
| Wick .. .. .. | 50 | 48 | 48·9 | -3·2 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 62 | 58 | 60·2 | +5·7 |
| Pennan Bay .. .. | 59 | 57 | 57·7 | +3·9 |
| Aberdeen, Cove Bay | 57 | 54 | 55·4 | +2·9 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 53 | 53 | 53·0 | -2·7 |
| Ballantrae .. .. | 59 | 49 | 56·2 | +1·2 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 54 | 49 | 51·3 | -0·7 |
| Scarborough .. .. | 58 | 54 | 55·2 | +1·4 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 59 | 57 | 57·7 | -0·8 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. . | — | — | — | — |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 59 | 56 | 57·4 | +2·8 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 61 | 60 | 60·8 | +0·9 |
| Scilly .. .. .. | 60 | 57 | 58·2 | — |
| Plymouth‡ .. .. | 63 | 60 | 61·5 | +2·6 |
| Salcombe .. .. | 61 | 60 | 61·0 | +4·1 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 61 | 59 | 60·2 | +2·1 |
| Teelin .. .. .. | 63 | 58 | 61·4 | +1·9 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 62 | 58 | 59·5 | +2·1 |
| Seafield .. .. | 67 | 57 | 62·3 | +1·7 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, July 18th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. | 75 | — | — | — | — | — | 168 | SSE. 5 | 12th 13h. | 12 16th 5. 30 |
| Aberdeen .. .. | 105 | — | — | — | — | 27 | 141 | NWbyW.10 | 16th 4h. | 14 16th 4. 20 |
| Rosyth .. .. | 73 | — | — | — | — | 19 | 149 | W. 8 | 18th 16h. | 12 18th 15. 10 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 16th | 2 | 37 | 129 | NWbyW.11 | 16th 15h. | 16 16th 12. 50 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 13 | 155 | NW by N. 8 | 16th 10h. | 13 16th 10. 25 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | — | 161§ | NW by W. 5 | 16th 5h. | 9 18th 16. 0 |
| South Shields .. | 61 | — | — | — | — | 37 | 141 | S. by W. 9 | 14th 13h. | 14 14th 13. 25 |
| Spurn Head .. | 40 | — | — | 15th | 1§ | 48§ | 115§ | WNW. 11 | 15th 24h. | ? ? ? |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | — | — | 25 | 143 | — 9 | 14th 14h. | 11 18th 12. 25 |
| Shoeburyness .. | 90 | — | — | — | — | 13 | 155 | — 9 | 18th 18h. | 12 18th 17. 30 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | — | — | 34 | 134 | — 10 | 13th 14h. | 13 12th 14. 25 |
| Warlingham .. | 33 | — | — | — | — | 1 | 167 | — 6 | 14th 14h. | 11 14th 14. 15 |
| Brighton .. .. | 53 | — | — | — | — | 23 | 145 | — 8 | 15th 15h. | 13 15th 15. 5 |
| Kew .. .. .. | 40 | — | — | — | — | — | 168 | SW. by S. 5 | 14th 14h. | 9 14th 8. 55 |
| South Kensington | 92 | — | — | — | — | — | 168 | SW. 5 | 14th 13h. | 10 14th 13. 20 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | 5 | 163 | W. 7 | 16th 11h. | 11 16th 11. 10 |
| Southport .. .. | 62 | — | — | 16th | 10 | 65 | 93 | WSW. 13 | 16th 18h. | 17 16th 15. 10 |
| Holyhead .. .. | 40 | — | — | — | — | 134 | 34 | SSW. 10 | 14th 15h. | 15 14th 13. 15 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | — | — | 13, 14 | 5 | 114 | 49 | SSW. 12 | 14th 2h. | 16 15th 15. 55 |
| Plymouth .. .. | 86 | — | — | — | — | 31 | 137 | — 7 | 15th 14h. | 12 15th 13. 45 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 13, 14, 16, 18 | 11 | 123 | 34 | — 13 | 13th 9h. | 20 13th 10. 55 |
| Crosshaven † .. | 30 | — | — | — | — | 42§ | 119§ | ? ? | ? ? | ? ? ? |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | 15, 16 | 4 | 64 | 100 | NW. 12 | 16th 20h. | 17 16th 20. 0 |

† The Anemograph from Roches Point has been moved to Crosshaven on the W. of Cork Harbour. The records entered for Roches Point from June 21st refer to Crosshaven.

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| **TWENTY-EIGHTH WEEK**—July 12th to July 18th, 1914. | | | | | | | | | | | | | | | | | | |
| 0. SCOTLAND, NORTH ... | 76 | 50 | 65·2 | 54·1 | 59·2 | + 4·5 | 120 | + 31 | 0 | 0 | 5 | + 1 | 0·28 | −0·52 | 3·2 | −1·1 | 18 | 1013 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 82 | 43 | 67·6 | 53·2 | 59·9 | + 3·4 | 125 | + 23 | 0 | 0 | 4 | 0 | 0·89 | +0·18 | 3·7 | −1·7 | 21 | 1013 |
| 2. ENGLAND, N.E. ... ... | 80 | 48 | 68·8 | 55·3 | 61·6 | + 2·8 | 137 | + 19 | 0 | 0 | 4 | 0 | 1·08 | +0·60 | 3·4 | −3·0 | 21 | 1015 |
| 3. ENGLAND, EAST ... | 85 | 50 | 73·2 | 56·5 | 64·4 | + 3·7 | 157 | + 26 | 0 | 0 | 3 | 0 | 0·72 | +0·20 | 6·3 | −0·8 | 39 | 1016 |
| 4. MIDLAND COUNTIES ... | 82 | 48 | 70·3 | 55·1 | 62·2 | + 2·1 | 141 | + 14 | 0 | 0 | 4 | + 1 | 0·58 | +0·08 | 3·8 | −2·5 | 23 | 1016 |
| 5. ENGLAND, S.E. ... ... | 80 | 48 | 71·3 | 56·2 | 63·2 | + 1·7 | 148 | + 12 | 0 | 0 | 3 | 0 | 0·53 | +0·06 | 6·7 | −0·6 | 42 | 1017 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 76 | 45 | 66·1 | 54·6 | 59·6 | + 2·4 | 123 | + 17 | 0 | 0 | 5 | + 1 | 0·82 | −0·03 | 4·0 | −1·8 | 23 | 1013 |
| 7. ENGLAND, N.W. ... ... | 75 | 48 | 66·3 | 55·6 | 60·6 | + 1·7 | 130 | + 12 | 0 | 0 | 4 | + 1 | 1·17 | +0·54 | 3·6 | −2·5 | 22 | 1015 |
| 8. ENGLAND, S.W. ... ... | 75 | 51 | 66·2 | 56·4 | 61·3 | + 1·5 | 135 | + 10 | 0 | 0 | 5 | + 1 | 0·46 | −0·18 | 4·5 | −2·2 | 28 | 1017 |
| 9. IRELAND, NORTH ... | 73 | 50 | 66·2 | 54·4 | 59·9 | + 2·5 | 125 | + 17 | 0 | 0 | 6 | + 1 | 0·89 | +0·16 | 4·1 | −0·5 | 24 | 1012 |
| 10. IRELAND, SOUTH ... | 73 | 47 | 65·8 | 55·0 | 60·0 | + 1·1 | 126 | + 8 | 0 | 0 | 6 | + 3 | 0·86 | +0·17 | 4·3 | −0·9 | 26 | 1014 |
| 11. ENGLISH CHANNEL ... | 72 | 55 | 66·3 | 56·9 | 61·3 | + 0·1 | 135 | 0 | 0 | 0 | 4 | + 1 | 0·18 | −0·34 | 5·4 | −2·8 | 34 | 1018 |
| THE SEASON (**Summer**).—Aggregates, &c., for the Period of 7 Weeks, May 31st to July 18th, 1914. | | | | | | | | | | | | | | | | | | |
| 0. SCOTLAND, NORTH ... | 78 | 37 | * | * | * | * | 610 | + 67 | 0 | − 4 | 26 | − 1 | 2·72 | −2·02 | 5·0 | 0·0 | 28 | 1016 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 30 | * | * | * | * | 691 | + 79 | 0 | − 3 | 20 | − 4 | 3·49 | −0·37 | 6·2 | +0·3 | 36 | 1016 |
| 2. ENGLAND, N.E. ... ... | 85 | 33 | * | * | * | * | 772 | + 91 | 0 | 0 | 19 | − 2 | 5·40 | +2·32 | 6·7 | +0·4 | 40 | 1016 |
| 3. ENGLAND, EAST ... | 87 | 38 | * | * | * | * | 872 | + 98 | 0 | 0 | 19 | 0 | 3·35 | +0·09 | 7·7 | +0·7 | 47 | 1016 |
| 4. MIDLAND COUNTIES ... | 88 | 35 | * | * | * | * | 842 | + 77 | 0 | − 1 | 19 | − 1 | 4·63 | +1·26 | 6·8 | +0·5 | 40 | 1017 |
| 5. ENGLAND, S.E. ... ... | 90 | 36 | * | * | * | * | 875 | + 60 | 0 | 0 | 17 | − 1 | 2·71 | −0·36 | 8·3 | +1·2 | 51 | 1017 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 79 | 35 | * | * | * | * | 719 | + 55 | 0 | − 1 | 23 | − 1 | 2·82 | −2·09 | 6·0 | −0·2 | 36 | 1016 |
| 7. ENGLAND, N.W. ... ... | 82 | 36 | * | * | * | * | 773 | + 52 | 0 | 0 | 21 | − 1 | 4·44 | +0·65 | 6·6 | +0·1 | 40 | 1017 |
| 8. ENGLAND, S.W. ... ... | 86 | 34 | * | * | * | * | 808 | + 46 | 0 | 0 | 24 | + 2 | 4·74 | +1·00 | 6·6 | −0·3 | 41 | 1017 |
| 9. IRELAND, NORTH ... | 78 | 35 | * | * | * | * | 684 | + 15 | 0 | 0 | 25 | − 2 | 3·08 | −1·29 | 5·1 | −0·3 | 31 | 1017 |
| 10. IRELAND, SOUTH ... | 80 | 39 | * | * | * | * | 784 | + 43 | 0 | 0 | 23 | 0 | 3·21 | −1·01 | 5·8 | −0·2 | 35 | 1018 |
| 11. ENGLISH CHANNEL ... | 83 | 42 | * | * | * | * | 823 | + 14 | 0 | 0 | 21 | − 1 | 3·05 | −0·08 | 6·9 | −1·3 | 43 | 1018 |
| THE YEAR.—Aggregates, &c., for the Period of 28 Weeks, January 4th, 1914, to July 18th, 1914. | | | | | | | | | | | | | | | | | | |
| 0. SCOTLAND, NORTH ... | 78 | 16 | * | * | * | * | 1059 | +128 | 391 | −166 | 128 | + 1 | 25·00 | −0·02 | 3·5 | −0·1 | 27 | 1009 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 1278 | +202 | 492 | −128 | 103 | − 1 | 15·42 | +0·78 | 4·4 | +0·3 | 34 | 1010 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 1494 | +334 | 299 | −176 | 94 | − 1 | 12·35 | +1·22 | 4·7 | +0·3 | 37 | 1012 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 1653 | +276 | 299 | −222 | 89 | − 3 | 11·92 | +0·80 | 5·3 | +0·6 | 41 | 1014 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 1638 | +242 | 367 | −166 | 93 | + 2 | 12·86 | +0·28 | 4·5 | +0·3 | 35 | 1014 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 1707 | +220 | 240 | −141 | 91 | + 4 | 14·52 | +2·30 | 5·5 | +0·7 | 43 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 79 | 18 | * | * | * | * | 1312 | +132 | 317 | −108 | 118 | + 8 | 21·51 | −0·61 | 4·1 | −0·1 | 32 | 1010 |
| 7. ENGLAND, N.W. ... ... | 82 | 22 | * | * | * | * | 1474 | +211 | 227 | −159 | 103 | + 3 | 16·60 | +1·02 | 4·5 | +0·2 | 36 | 1013 |
| 8. ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 1631 | +193 | 192 | −109 | 109 | +10 | 21·41 | +4·07 | 4·9 | +0·2 | 38 | 1014 |
| 9. IRELAND, NORTH ... | 78 | 25 | * | * | * | * | 1362 | +110 | 246 | − 99 | 124 | + 5 | 19·07 | +1·29 | 3·9 | −0·1 | 30 | 1011 |
| 10. IRELAND, SOUTH ... | 80 | 24 | * | * | * | * | 1626 | +153 | 174 | − 85 | 120 | +14 | 20·04 | +0·89 | 4·4 | 0·0 | 35 | 1013 |
| 11. ENGLISH CHANNEL ... | 83 | 25 | * | * | * | * | 1822 | +189 | 72 | − 37 | 104 | − 2 | 16·43 | +1·88 | 5·4 | −0·2 | 42 | 1016 |

M.O., July 22, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 113

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 29. TWENTY-NINTH WEEK, SUNDAY, JULY 19TH, TO SATURDAY, JULY 25TH, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

A small cyclonic system which skirted our extreme south-west coasts on the 19th and 20th caused a rather decided freshening of the wind from East or North-East over England and Ireland. Heavy falls of rain were experienced at the same time in Wales and the south-west of England (as much as 1·7 in. on Sunday at Westbourne and Cullompton, and 1·6 in. at Torquay and Plymouth), and thunderstorms, or thunder alone, occurred in several localities. On the 21st, when a larger depression moved south-eastward from Iceland, the wind fell to a light breeze and shifted to the Westward or North-Westward, and temperature rose decidedly, the maximum readings at some of the Scottish stations being the highest observed during the present season. A subsequent increase in the intensity of the northern disturbance was accompanied by a corresponding increase in the strength of the North-Westerly breeze, and on the 24th or 25th a slight gale was experienced on exposed parts of our north and north-west coasts, the wind reaching in gusts a velocity of 20 metres per second at Aberdeen, and 25 metres per second at Southport. With the freshening North-Westerly current the thermometer fell very decidedly; at many northern and central stations the thermometer on the 25th failed to reach 60°. Thunderstorms occurred at several stations in the south and east of England on the 22nd; at Margate the accompanying rainfall amounted to as much as 2·03 in., of which 1·76 in. fell in the space of an hour.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... Warmth ... | Moderate | Moderate | Moderate | Unusual | Moderate | Moderate | Unusual | Moderate | Moderate | Moderate | Moderate | Moderate |
| Rainfall ... | Heavy | Moderate | Light | Light | Heavy | Heavy | Light | Moderate | Heavy | Light | Moderate | Heavy |
| Sunshine ... | Abundant | Moderate | Scanty | Scanty | Scanty | Very scanty | Moderate | Scanty | Scanty | Moderate | Moderate | Moderate |

### THE SEASON.

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 8 weeks from May 31st, 1914. Warmth ... | 3 * 0 | 4 * 1 | 4 * 0 | 4 * 0 | 3 * 0 | 3 * 0 | 4 * 1 | 3 * 0 | 3 * 0 | 3 * 1 | 1 * 0 | 2 * 1 |
| Rainfall ... | 1 * 2 | 1 * 2 | 3 * 3 | 2 * 2 | 3 * 2 | 1 * 1 | 0 * 5 | 3 * 1 | 3 * 2 | 0 * 5 | 1 * 2 | 4 * 2 |
| Sunshine ... | 3 * 1 | 2 * 1 | 2 * 3 | 3 * 2 | 3 * 3 | 3 * 1 | 1 * 2 | 3 * 3 | 1 * 4 | 2 * 2 | 2 * 2 | 0 * 4 |

### PAST SEASONS.

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. Warmth ... | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. Warmth ... | 3 * 1 | 6 * 0 | 8 * 1 | 8 * 2 | 6 * 1 | 7 * 1 | 5 * 3 | 5 * 1 | 8 * 1 | 6 * 3 | 6 * 2 | 9 * 1 |
| Rainfall ... | 5 * 2 | 5 * 5 | 4 * 6 | 4 * 5 | 4 * 5 | 5 * 4 | 6 * 4 | 4 * 5 | 7 * 6 | 5 * 5 | 4 * 6 | 6 * 5 |
| Sunshine ... | 4 * 4 | 4 * 2 | 3 * 2 | 6 * 5 | 4 * 5 | 4 * 1 | 4 * 2 | 4 * 2 | 4 * 2 | 4 * 4 | 4 * 4 | 4 * 4 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(2022—19.) Wt. 229—611. 450. 7/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Mean for the Week. Of Lowest each day. | Mean for the Week. For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Accumulated Heat for the Week (in Day degrees). Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | °/o | | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, Islands.. *p* Baltasound | *31* | *69* | *19th* | *47* | *24th* | *64·0* | *59·6* | *56·8* | — | *104* | *0* | *6* | *1·53* | — | *4·5* | — | *25* | * | * | 57·8 | * | * | * | *Baltasound.* |
| *a* Lerwick | 54 | 64 | 19th | 49 | 24th | 58·9 | 51·7 | 55·1 | + 2·7 | 92 | 0 | 4 | 0·91 | — | 5·9 | + 0·5 | 29 | * | * | * | * | * | * | Deerness. |
| *a* Stornoway | 51 | 69 | 20th | 46 | 25th | 59·1 | 50·3 | 54·4 | + 0·1 | 87 | 0 | 5 | 1·73 | + 1·04 | 5·2 | + 0·6 | 30 | * | * | * | * | * | * | Stornoway. |
| *a Castlebay, Barra Isd.* | 37 | *73* | *20th* | *48* | *25th* | *60·4* | *52·4* | *56·1* | + *1·4* | *99* | *0* | *4* | *0·40* | — | *5·2* | — | *31* | * | * | * | * | * | * | *Castlebay.* |
| *b*, Mainland. *a* Wick | 81 | 64 | 21st | 46 | 24, 25 | 58·3 | 50·0 | 53·9 | - 0·5 | 83 | 0 | 5 | 1·62 | + 1·01 | * | * | * | * | * | * | * | * | * | * * |
| *p* Strathpeffer | 200 | 75 | 20th | 46 | 25th | 64·0 | 50·6 | 56·8 | + 0·7 | 104 | 0 | 4 | 0·82 | + 0·19 | 4·4 | + 0·2 | 26 | * | * | * | * | * | * | Strathpeffer. |
| *p* Glencarron | 500 | | | | | | | | | | | | | | * | | | * | * | * | * | * | * | * * |
| *p* Fort Augustus | 68 | 77 | 21th | 48 | 24, 25 | 64·0 | 51·4 | 57·3 | + 1·4 | 107 | 0 | 4 | 0·38 | - 0·29 | 3·8 | + 0·6 | 22 | * | * | * | * | * | * | Fort Augustus. |
| *p* Fort William | 175 | 81 | 20th | 47 | 24, 25 | 65·0 | 51·4 | 57·7 | + 1·5 | 110 | 0 | 6 | 0·45 | - 0·70 | * | | | * | * | * | * | * | * | * * |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle | 101 | 78 | 20th | 45 | 21th | 65·7 | 51·1 | 57·9 | + 1·2 | 111 | 0 | 5 | 1·64 | + 0·86 | 5·9 | — | 31 | 0 | 42 | 61·9 | +3·9 | 56·7 | +2·5 | Crathes S. |
| *a* Nairn | 82 | 77 | 20th | 47 | 24, 25 | 63·7 | 50·1 | 56·4 | - 0·2 | 101 | 0 | 5 | 0·44 | - 0·18 | *5·3* | — | *31* | * | * | * | * | * | * | *Gordon Castle.* |
| *a* Aberdeen | 46 | 77 | 21st | 49 | 25th | 64·7 | 53·1 | 58·5 | + 2·1 | 116 | 0 | 3 | 0·83 | + 0·20 | 4·0 | — | 24 | * | * | * | * | * | * | Nairn. |
| *a* Balmoral | 930 | 73 | 20th | 44 | 24th | 67·3 | 49·6 | 57·8 | + 3·5 | 111 | 0 | 4 | 0·50 | - 0·15 | 4·3 | - 0·9 | 25 | * | * | * | * | 55·7 | +2·9 | Aberdeen. |
| *p* Crieff | 432 | 82 | 22nd | 49 | 25th | 69·0 | 53·4 | 60·7 | + 2·8 | 131 | 0 | 2 | 0·18 | - 0·50 | * | * | * | 0 | 41 | * | * | * | * | Balmoral. |
| *a* Leith | 18 | 81 | 21st | 50 | 25th | 66·6 | 54·4 | 60·1 | + 1·7 | 127 | 0 | 1 | 0·01 | - 0·59 | 6·5 | — | 39 | * | * | * | * | * | * | Balruddery. |
| *a* West Linton | 800 | 80 | 21st | 40 | 23rd | 64·1 | 47·4 | 55·2 | - 0·2 | 92 | 0 | 2 | 0·05 | — | * | * | * | * | * | * | * | * | * | * * |
| *p* Marchmont | 408 | 82 | 21st | 46 | 23, 25 | 67·1 | 50·9 | 58·4 | + 1·9 | 115 | 0 | 1 | 0·03 | - 0·72 | *4·9* | — | *30* | 0 | 35 | * | * | * | * | *West Linton.* |
| *a Edinburgh* | *441* | *80* | *21st* | *48* | *23, 25* | *65·0* | *52·0* | *58·1* | — | *113* | *0* | *2* | *0·03* | — | 6·8 | + 1·3 | 41 | 0 | 44 | 61·3 | +3·2 | * | * | Marchmont. |
| **6.** *a*, SCOTLAND, W. | | | | | | | | | | | | | | | 5·4 | — | 32 | 0 | 41 | * | * | * | * | Edinburgh. |
| *a* Poltalloch | 132 | 78 | 20th | 47 | 25th | 64·0 | 52·9 | 58·1 | + 0·6 | 113 | 0 | 2 | 0·09 | - 0·83 | * | * | * | * | * | * | * | * | * | * * |
| *p* Glasgow Observatory | 189 | 76 | 21st | 49 | 25th | 64·3 | 54·1 | 58·8 | + 1·3 | 118 | 0 | 3 | 0·03 | - 0·69 | 4·8 | + 0·2 | 29 | 0 | 42 | * | * | * | * | Glasgow. |
| *p* Rothesay | 90 | 76 | 21st | 47 | 25th | 64·3 | 53·9 | 58·7 | + 1·4 | 117 | 0 | 3 | 0·27 | - 0·65 | *5·6* | — | *34* | 0 | 45 | 61·3 | * | 56·2 | +1·2 | *Rothesay.* |
| *a* Kilmarnock | 90 | 78 | 21st | 46 | 23rd | 67·4 | 52·1 | 59·2 | + 1·6 | 120 | 0 | 4 | 0·23 | — | *5·5* | — | *33* | * | * | * | * | * | * | *Kilmarnock.* |
| *a* Colmonell | 150 | 81 | 20th | 48 | 25th | 66·0 | 52·4 | 58·7 | + 1·5 | 117 | 0 | 5 | 0·25 | - 0·48 | * | * | * | 0 | 46 | * | * | * | * | * * |
| *p* Dumfries | 160 | 82 | 21st | 49 | 23, 25 | 67·0 | 53·4 | 59·7 | + 1·0 | 124 | 0 | 2 | 0·06 | - 0·70 | *5·5* | — | *33* | 0 | 42 | 62·5 | * | 59·7 | * | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 83 | 21st | 47 | 25th | 68·9 | 52·7 | 60·2 | + 2·4 | 127 | 0 | 5 | 0·46 | - 0·40 | * | * | * | * | * | * | * | * | * | * * |
| *b*, I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 76 | 21st | 48 | 25th | 64·3 | 53·6 | 58·6 | + 1·3 | 116 | 0 | 4 | 0·32 | - 0·36 | 6·2 | - 0·2 | 38 | 0 | 48 | * | * | * | * | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 74 | 21st | 47 | 23rd | 66·9 | 52·9 | 59·4 | + 2·1 | 122 | 0 | 2 | 0·11 | - 0·53 | 4·6 | — | 23 | 0 | 41 | 59·8 | +1·5 | 57·5 | +2·6 | Cockle Park. |
| *a* Tynemouth | 96 | 68 | 21st | 48 | 24rd | 62·9 | 53·3 | 57·8 | + 0·1 | 111 | 0 | 1 | 0·08 | - 0·48 | *4·1* | — | *25* | * | * | * | * | * | * | *Tynemouth.* |
| *p* Durham | 336 | 73 | 21st | 46 | 23rd | 65·2 | 52·3 | 58·3 | - 0·5 | 114 | 0 | 1 | 0·19 | - 0·47 | 3·9 | - 1·5 | 24 | 0 | 41 | * | * | * | * | Durham. |
| *a*, North *p* Rounton | 249 | 75 | 21st | 46 | 23rd | 66·6 | 52·6 | 59·1 | + 1·5 | 120 | 0 | 3 | 0·21 | - 0·41 | * | * | * | 0 | 41 | 62·4 | * | * | * | Rounton. |
| *a West Witton* | *605* | *80* | *21st* | *47* | *25th* | *65·7* | *52·7* | *58·8* | — | *118* | *0* | *4* | *0·10* | — | * | * | * | 0 | 46 | 61·5 | * | 55·9 | * | *West Witton.* |
| *p* Scarborough | 100 | 68 | 20, 21 | 50 | 23rd | 64·9 | 54·6 | 59·4 | + 0·7 | 122 | 0 | 2 | 0·22 | - 0·33 | 5·2 | — | 32 | * | * | * | * | 60·5† | * | Scarborough. |
| *p* York | 56 | 81 | 21st | 49 | 23rd | 69·0 | 54·4 | 61·2 | + 1·1 | 134 | 0 | 4 | 0·21 | - 0·36 | 5·0 | - 0·7 | 31 | * | * | 62·2 | +3·5 | 58·4 | +3·0 | York. |
| | | | | | | | | | | | | | | | *4·2* | — | *26* | 0 | 44 | 62·0 | +2·2 | 57·0 | +2·5 | *Hull.* |
| *b*, South *a* Spurn Head | 26 | 73 | 19th | 51 | 23rd | 67·0 | 55·6 | 60·9 | + 1·2 | 132 | 0 | 2 | 0·28 | - 0·10 | *5·5* | — | *34* | * | * | * | * | * | * | *Spurn Head.* |
| *a* Lincoln | 58 | 81 | 21st | 49 | 23rd | 69·7 | 55·1 | 61·9 | + 0·8 | 139 | 0 | 3 | 0·38 | - 0·12 | * | * | * | * | * | 64·6 | +4·3 | 60·2 | +4·5 | Lincoln. |
| *a* Fulbeck | 180 | 80 | 21st | 47 | 23rd | 68·3 | 54·3 | 60·8 | 0·0 | 132 | 0 | 6 | 0·48 | - 0·04 | 3·9 | — | 24 | 0 | 49 | 64·4 | +0·4 | 59·2 | +1·9 | Rauceby. |
| | | | | | | | | | | | | | | | 5·8 | — | 36 | * | * | * | * | * | * | Skegness. |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | *6·6* | — | *41* | 0 | 46 | 66·0 | +3·3 | 61·6 | +3·3 | *Lowestoft.* |
| *p* Cromer | 196 | 83 | 21st | 51 | 25th | 70·7 | 55·4 | 62·5 | + 2·5 | 144 | 0 | 4 | 0·21 | — | 6·5 | — | 40 | * | * | * | * | * | * | Cromer. |
| *p* Little Massingham | 280 | 83 | 21st | 49 | 24, 25 | 69·3 | 53·4 | 60·8 | + 0·2 | 132 | 0 | 4 | 0·20 | - 0·40 | 4·3 | — | 27 | 0 | 47 | * | * | * | * | Lit. Massingham. |
| *a*, North *a* Yarmouth | 17 | 78 | 22nd | 50 | 25th | 69·4 | 56·2 | 62·7 | + 2·5 | 145 | 0 | 2 | 0·28 | - 0·26 | 7·0 | — | 44 | * | * | 67·3 | +3·1 | 62·7 | +2·4 | Yarmouth. |
| *a* Norwich | 93 | 81 | 21st | 50 | 23rd | 71·3 | 55·2 | 62·7 | + 2·4 | 145 | 0 | 3 | 0·32 | — | *5·8* | — | *36* | 0 | 45 | 66·0 | * | * | * | *Norwich.* |
| *a* Geldeston | 37 | 79 | 21st | 50 | 23, 25 | 71·3 | 55·6 | 62·9 | + 2·4 | 146 | 0 | 3 | 0·20 | - 0·30 | 6·4 | - 0·5 | 40 | * | * | * | * | * | * | Geldeston. |
| *p* Cambridge | 41 | 80 | 21st | 50 | 25th | 69·6 | 54·7 | 61·6 | - 0·3 | 137 | 0 | 4 | 0·32 | - 0·20 | 2·7 | - 4·0 | 17 | 0 | 43 | 65·0 | +2·3 | 60·8 | +2·1 | Cambridge. |
| *a Felixstowe* | *10* | *74* | *22nd* | *52* | *23, 25* | *68·6* | *58·3* | *63·1* | + *1·4* | *148* | *0* | *5* | *0·18* | — | *6·1* | — | *38* | * | * | * | * | * | * | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 72 | 21st | 51 | 23rd | 67·9 | 57·9 | 62·6 | + 0·9 | 144 | 0 | 1 | 0·13 | — | 3·9 | — | 25 | 0 | 48 | 64·4 | +3·7 | 61·5 | +2·5 | Clacton. |
| *b*, South *a* Rothamsted | 424 | 75 | 20th | 49 | 23rd | 68·6 | 55·9 | 61·8 | + 1·4 | 139 | 0 | 5 | 0·24 | - 0·31 | 3·3 | - 3·6 | 21 | * | * | * | * | * | * | Rothamsted. |
| *a Shoeburyness* | *13* | *72* | *19–22* | *51* | *23rd* | *68·9* | *58·9* | *63·6* | + *0·4* | *151* | *0* | *2* | *0·34* | - *0·66* | *3·5* | — | *22* | 0 | 49 | 66·9 | +2·1 | * | * | *Southend.* |
| *p* Tottenham | 51 | 76 | 20, 21 | 52 | 23rd | 71·0 | 58·0 | 64·1 | + 2·1 | 155 | 0 | 4 | 0·18 | — | 3·3 | — | 21 | 0 | 46 | * | * | 62·2 | +2·3 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate | 476 | 79 | 21st | 47 | 23rd | 66·6 | 51·9 | 58·7 | + 1·2 | 117 | 0 | 2 | 0·15 | - 0·39 | *4·2* | — | *26* | 0 | 44 | 62·3 | +1·6 | 56·8 | +2·1 | *Huddersfield.* |
| *a* Bawtry | 65 | 84 | 21st | 49 | 23rd | 70·4 | 54·3 | 61·8 | + 1·6 | 139 | 0 | 3 | 0·11 | - 0·41 | 5·9 | — | 36 | 0 | 43 | 60·3 | +3·6 | 58·1 | +3·3 | Harrogate. |
| *p Buxton* | *987* | *79* | *21st* | *45* | *25th* | *63·1* | *52·3* | *57·3* | + *0·4* | *107* | *0* | *5* | *1·62* | + *0·77* | 3·8 | — | 24 | 0 | 40 | 62·2 | * | 58·7 | * | Worksop. |
| *a*, East *a* Nottingham | 82 | 81 | 21st | 51 | 23, 25 | 68·0 | 56·1 | 61·6 | + 0·9 | 131 | 0 | 5 | 0·39 | - 0·12 | *3·3* | — | *21* | 0 | 46 | 60·3 | +1·5 | 57·9 | +4·7 | *Buxton.* |
| *p* Birmingham, Edgbas. | 535 | 77 | 21st | 49 | 23rd | 66·1 | 54·7 | 60·0 | - 0·2 | 126 | 0 | 7 | 0·77 | + 0·27 | 3·1 | — | 19 | 0 | 45 | 62·4 | +1·6 | 60·3 | +3·6 | Nottingham. |
| *a* Raunds | 203 | 80 | 21st | 49 | 23rd | 70·4 | 54·7 | 62·0 | + 0·8 | 140 | 0 | 3 | 0·26 | — | 2·2 | — | 14 | 0 | 43 | 57·5 | +1·2 | 54·0 | +1·9 | Birmingham. |
| *p* Oxford | 208 | 73 | 21st | 50 | 23rd | 67·6 | 56·0 | 61·4 | - 0·2 | 136 | 0 | 5 | 0·59 | + 0·05 | *2·8* | — | *18* | 0 | 44 | 64·9 | * | 58·0 | * | *Raunds.* |
| | | | | | | | | | | | | | | | 3·1 | - 3·4 | 20 | 0 | 44 | * | * | * | * | Oxford. |
| *a* Cheadle | 646 | 79 | 21st | 45 | 23rd | 64·7 | 52·6 | 58·2 | - 0·1 | 113 | 0 | 5 | 2·50 | + 1·87 | 4·4 | — | 27 | 0 | 48 | 61·2 | +2·6 | 56·5 | +2·6 | Sheffield. |
| *p* Shrewsbury | 191 | 80 | 21st | 51 | 23rd | 67·9 | 56·0 | 61·5 | + 2·0 | 137 | 0 | 4 | 0·77 | — | * | * | * | 0 | 44 | * | * | * | * | Cheadle. |
| *b*, West *a* Hereford§ | 291 | 74 | 20, 21 | 48 | 25th | 67·7 | 52·0 | 59·3 | - 1·0 | 121 | 0 | 6 | 1·22 | + 0·72 | * | * | * | 0 | 47 | * | * | * | * | Shrewsbury. |
| *a* Cirencester | 446 | 74 | 21st | 50 | 23, 24 | 66·5 | 54·4 | 60·0 | + 0·4 | 126 | 0 | 3 | 1·01 | + 0·43 | *2·2* | — | *14* | 0 | 42 | 63·3 | * | 61·7 | * | *Malvern.*§ |
| *a* Bath | 66 | 73 | 21st | 51 | 23rd | 67·4 | 55·7 | 61·1 | + 0·1 | 134 | 0 | 2 | 0·63 | + 0·05 | 3·0 | - 3·4 | 19 | 0 | 45 | 61·4 | * | 58·6 | * | Cirencester. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | 3·6 | — | 23 | * | * | * | * | * | * | Bath. |
| *p* Kew | 18 | 77 | 19th | 50 | 23rd | 70·0 | 56·6 | 62·8 | + 0·6 | 146 | 0 | 5 | 0·40 | - 0·12 | * | * | * | 0 | 49 | 66·0 | +4·8 | 62·0 | +3·2 | Canterbury |
| *a* Marlborough | 424 | 71 | 20th | 44 | 23rd | 65·4 | 52·6 | 58·6 | - 1·1 | 116 | 0 | 3 | 0·63 | + 0·08 | 3·2 | - 3·5 | 20 | 0 | 44 | 64·0 | +3·0 | 59·9 | +2·7 | Kew. |
| *a* Margate | 35 | 72 | 21, 22 | 53 | 25th | 68·4 | 58·1 | 62·9 | + 1·0 | 146 | 0 | 3 | 0·63 | + 0·08 | 3·9 | - 2·2 | 25 | 0 | 38 | 63·5 | * | 58·5 | * | Marlborough. |
| *a* Wisley, Surrey | 150 | 73 | 19, 21 | 47 | 23rd | 68·3 | 55·1 | 61·2 | - 1·5 | 134 | 0 | 2 | 0·36 | — | 3·6 | - 3·1 | 23 | 0 | 49 | 64·5 | +2·9 | 61·7 | +3·8 | Margate. |
| | | | | | | | | | | | | | | | 3·5 | — | 22 | 0 | 40 | 64·3 | +1·9 | 60·7 | +2·0 | Wisley. |
| *p* Salisbury (Wilton) | 180 | 74 | 21st | 48 | 23rd | 66·7 | 54·7 | 60·3 | - 1·8 | 123 | 0 | 5 | 1·74 | + 1·23 | 4·3 | — | 27 | 0 | 48 | 64·9 | +1·0 | 61·0 | +1·7 | Worthing. |
| *a* Tunbridge Wells | 418 | 76 | 22nd | 49 | 24rd | 69·1 | 54·7 | 61·4 | + 0·5 | 136 | 0 | 3 | 0·37 | - 0·13 | * | * | * | 0 | 45 | 65·3 | * | * | * | Salisbury. |
| *a* Dungeness | 21 | 71 | 19th | 51 | 23rd | 67·3 | 56·7 | 61·6 | + 0·5 | 137 | 0 | 4 | 0·78 | + 0·39 | 3·2 | - 3·6 | 20 | 0 | 43 | 62·8 | -0·5 | 59·7 | * | Tunbridge Wells |
| *p* Hastings | 178 | 71 | 19th | 53 | 25th | 66·6 | ~~56·7~~ | 61·3 | + 0·2 | 135 | 0 | 4 | 0·79 | + 0·30 | 4·2 | — | 26 | * | * | * | * | * | * | Littlestone. |
| *p* Southampton | 65 | 74 | 21st | 49 | 23rd | 67·6 | 58·0 | 61·4 | - 1·6 | 136 | 0 | 4 | 1·35 | + 0·82 | *3·8* | *- 4·0* | *24* | 0 | 48 | 64·3 | * | 61·8 | * | *Hastings.* |
| *a* Ventnor | 80 | 71 | 21, 22 | 51 | 23rd | 67·0 | 57 6 | 62·0 | + 0·1 | 140 | 0 | 4 | 1·55 | + 1·07 | 3·7 | - 3·5 | 23 | 0 | 43 | * | * | * | * | Southampton. |
| | | | | | | | | | | | | | | | 5·4 | - 1·7 | 34 | * | * | * | * | * | * | Ventnor. |
| | | | | | | | | | | | | | | | *3·0* | — | *19* | 0 | 47 | 65·3 | +0·5 | 63·0 | +2·7 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 3·6 | - 4·1 | 23 | * | * | 64·2 | * | 61·9 | * | Eastbourne. |
| | | | | | | | | | | | | | | | *4·3* | — | *27* | * | * | 63·5 | * | 62·1 | * | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | * | | * | * | * | * | * | * | * | *Brighton.* |
| *a Westminster* | *27* | *74* | *19, 21* | *51* | *23rd* | *63·6* | *58·1* | *63·5* | + *1·3* | *151* | *0* | *4* | *0·24* | - *0·26* | *3·8* | *- 3·1* | *17* | 0 | 49 | * | * | * | * | *Westminster.* |
| *a Greenwich* | *155* | *78* | *20th* | *51* | *23rd* | *72·3* | *56·4* | *63·8* | + *0·7* | *153* | *0* | *4* | *0·31* | - *0·22* | *3·3* | *- 4·3* | *21* | 0 | 45 | * | * | * | * | *Greenwich.* |
| *a Hampstead* | *450* | *73* | *20, 21* | *49* | *23rd* | *68·2* | *56·3* | *61·8* | — | *139* | *0* | *3* | *0·18* | — | *3·5* | — | *22* | 0 | 45 | * | * | * | * | *Hampstead.* |
| *a Camden Square* | *110* | *79* | *21st* | *51* | *23rd* | *73·4* | *57·6* | *65·0* | — | *161* | *0* | *4* | *0·20* | — | *2·8* | — | *17* | 0 | 47 | * | * | * | * | *Camden Square.* |
| | | | | | | | | | | | | | | | *3·6* | — | *22* | 0 | 45 | 60·4 | +1·7 | 56·0 | +1·6 | *Burnley.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | 4·4 | | 27 | * | * | * | * | * | * | Hoylake. |
| *p* Aspatria | 250 | 79 | 21st | 48 | 25th | 66·6 | 52·4 | 59·0 | + 2·2 | 119 | 0 | 2 | 0·25 | - 0·60 | 4·5 | — | 27 | 0 | 47 | 61·3 | * | 58·0 | * | Aspatria. |
| *p* Newton Rigg | 559 | 82 | 21st | 46 | 25th | 67·0 | 51·1 | 58·5 | + 1·7 | 116 | 0 | 4 | 0·31 | - 0·39 | 5·9 | + 0·2 | 36 | 0 | 40 | 61·0 | +1·2 | 56·4 | +1·4 | Newton Rigg. |
| *p* Stonyhurst | 375 | 83 | 21st | 48 | 25th | 66·6 | 51·4 | 60·1 | + 2·0 | 127 | 0 | 5 | 1·90 | + 1·03 | 3·8 | - 2·0 | 23 | 0 | 42 | * | * | * | * | Stonyhurst. |
| *p* Blackpool | 66 | 78 | 20th | 51 | 25th | 65·4 | 56·3 | 60·5 | + 1·3 | 130 | 0 | 4 | 0·87 | + 0·24 | 5·5 | - 0·5 | 34 | 0 | 48 | 60·9 | * | 56·7 | * | Blackpool. |
| *p* Manchester (Whit. Pk.) | 125 | 84 | 21st | 50 | 25th | 67·9 | 56·7 | 61·9 | + 2·0 | 139 | 0 | 4 | 1·26 | + 0·68 | *3·1* | *- 1·9* | *19* | * | * | * | * | * | * | *Whit. Park.* |
| *a* Liverpool (Bidston) | 188 | 77 | 20th | 50 | 25th | 65·0 | 56·0 | 60·2 | - 0·1 | 127 | 0 | 6 | 0·64 | + 0·04 | *4·6* | — | *29* | * | * | * | * | * | * | *Liverpool.* |
| *a Hawarden Bridge* | *22* | *76* | *20, 21* | *52* | *25th* | *67·9* | *55·6* | *61·3* | + *1·2* | *135* | *0* | *5* | *1·44* | + *0·95* | *5·4* | *- 1·0* | *33* | 0 | 48 | 61·1 | +0·4 | 61·4 | +1·2 | *Southport.* |
| | | | | | | | | | | | | | | | *4·0* | — | *25* | 0 | 46 | 63·5 | +3·4 | 61·2 | +4·0 | *Manchester (City).* |
| *b*, NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 75 | 21st | 53 | 25th | 66·9 | 56·4 | 61·3 | + 1·6 | 135 | 0 | 5 | 0·56 | + 0·03 | 3·9 | - 2·1 | 24 | * | * | * | * | * | * | Llandudno. |
| *a* Holyhead | 57 | 71 | 20th | 53 | 25th | 64·6 | 55·6 | 59·8 | + 1·6 | 125 | 0 | 5 | 0·71 | + 0·13 | *4·2* | — | *26* | * | * | * | * | * | * | *Holyhead.* |
| *Bettws-y-Coed* | 101 | 77 | *21st* | *50* | *25th* | *67·0* | *54·7* | *60·4* | + *1·4* | *129* | *0* | *6* | *0·69* | — | *4·0* | — | *25* | * | * | 59·6 | +1·5 | 55·4 | +1·4 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 3·4 | — | 21 | * | * | * | * | * | * | Aberdovey. |

* For note see also opposite page. † At 3 ft. ‡ Hoar frost. § The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Mean for the Week. Of Lowest each day. | Mean for the Week. For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Accumulated Heat for the Week (in Day degrees). Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | • | in. | in. | • | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Llangammarch Wells | 550 | 75 | 21st | 46 | 21st | 65·1 | 52·7 | 58·5 | + 0·4 | 116 | 0 | 5 | 1·71 | — | 3·7 | — | 23 | 0 | 40 | 59·7 | +1·9 | 55·2 | +2·2 | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 67 | 20th | 52 | 25th | 63·0 | 54·7 | 58·6 | + 0·3 | 116 | 0 | 4 | 1·14 | + 0·59 | 5·3 | - 1·3 | 33 | • | • | • | • | • | • | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 72 | 21st | 51 | 25th | 64·9 | 54·9 | 59·6 | - 1·4 | 123 | 0 | 5 | 1·69 | + 0·96 | *5·3* | — | *33* | 0 | 49 | 62·9 | +2·5 | 60·6 | +1·9 | Pembroke. *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 74 | 20th | 54 | 25th | 67·0 | 57·4 | 61·9 | + 0·1 | 139 | 0 | 2 | 0·59 | - 0·06 | *4·1* | — | *26* | 0 | 50 | • | • | • | • | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 70 | 21st | 49 | 23rd | 63·4 | 54·0 | 58·4 | - 1·3 | 115 | 0 | 5 | 1·73 | + 1·14 | • | • | • | • | • | 61·5 | • | 59·4 | • | Shaftesbury. |
| *a* Arlington .. .. | 613 | 71 | 21st | 51 | 23, 25 | 63·3 | 53·4 | 58·0 | - 0·2 | 112 | 0 | 4 | 1·50 | + 0·60 | • | • | • | • | • | • | • | • | • | Arlington. |
| *a Newquay* .. .. | *190* | 67 | *21st* | *53* | *21st* | *62·4* | *55·3* | *58·6* | *- 1·6* | *116* | *0* | *5* | *0·78* | *+ 0·25* | 4·5 | - 2·4 | 29 | 0 | 47 | 62·4 | • | 59·0 | • | Newquay. |
| *a* Cullompton .. .. | 202 | 77 | 21st | 53 | 21, 25 | 67·6 | 55·9 | 61·3 | + 0·9 | 135 | 0 | 5 | 1·86 | + 1·21 | 4·4 | - 1·7 | 28 | 0 | 46 | 64·1 | • | • | • | Cullompton. |
| *a* Portland .. .. | 19 | 66 | 21, 22 | 55 | 20th | 63·4 | 57·1 | 60·0 | - 0·1 | 126 | 0 | 4 | 1·61 | — | *4·0* | — | *26* | • | • | • | • | • | • | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 70 | 21st | 54 | 23, 25 | 65·0 | 55·6 | 60·0 | - 1·0 | 126 | 0 | 6 | 1·77 | + 1·12 | 4·5 | - 2·3 | 29 | 0 | 47 | 63·3 | -1·8 | • | • | Plymouth. |
| *a* Falmouth .. .. | 167 | 71 | 21st | 53 | 25th | 64·0 | 55·4 | 59·4 | - 0·8 | 122 | 0 | 6 | 0·91 | + 0·25 | 4·6 | - 2·7 | 29 | 0 | 47 | 63·5 | • | 61·2 | • | Falmouth. |
| **9.** IRELAND. N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Malin Head .. .. | 208 | 66 | 20th | 50 | 24, 25 | 59·3 | 52·6 | 55·7 | - 0·7 | 96 | 0 | 5 | 0·40 | - 0·28 | 5·2 | — | 31 | • | • | • | • | • | • | |
| *a*, West .. *a* Blacksod Point .. | 37 | 70 | 20th | 51 | 25th | 62·6 | 53·0 | 57·5 | 0·0 | 109 | 0 | 5 | 0·71 | + 0·03 | • | • | • | • | • | • | • | • | • | |
| *p* Markree Castle .. | 122 | 80 | 20th | 49 | 19th | 64·9 | 51·9 | 58·0 | + 1·1 | 112 | 0 | 4 | 1·34 | + 0·57 | 4·8 | + 0·6 | 29 | 0 | 43 | 61·5 | • | 56·7 | • | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 79 | 21st | 50 | 19, 25 | 67·3 | 52·4 | 59·3 | + 0·9 | 121 | 0 | 4 | 0·21 | - 0·44 | *4·9* | *+ 0·4* | *30* | • | • | • | • | • | • | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 76 | 20, 21 | 48 | 25th | 65·9 | 52·3 | 58·6 | + 0·9 | 116 | 0 | 5 | 0·28 | - 0·40 | 4·1 | - 0·5 | 25 | 0 | 44 | 63·1 | +1·6 | 58·7 | +1·7 | Armagh. |
| *a* Donaghadee .. .. | 39 | 68 | 20th | 46 | 25th | 62·0 | 53·3 | 57·4 | - 0·1 | 108 | 0 | 4 | 0·22 | - 0·44 | • | • | • | • | • | • | • | • | • | |
| | | | | | | | | | | | | | | | • | • | • | 0 | 46 | 62·1 | +1·1 | 58·8 | +1·5 | *Trinity Coll.* |
| **10.** IRELAND. S. | | | | | | | | | | | | | | | 4·5 | - 0·9 | 28 | 0 | 48 | • | • | • | • | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 74 | 21st | 50 | 25th | 65·7 | 54·6 | 59·8 | - 0·6 | 125 | 0 | 6 | 0·28 | - 0·29 | • | • | • | 0 | 48 | • | • | • | • | Dublin City. |
| *a*, East .. *a* Kilkenny .. .. | 212 | 81 | 21st | 51 | 25th | 67·6 | 53·7 | 60·2 | + 1·3 | 127 | 0 | 6 | 1·01 | + 0·39 | • | • | • | • | • | • | • | • | • | |
| *a* Waterford .. .. | 20 | 78 | 21st | 53 | 23, 25 | 68·4 | 54·7 | 61·1 | + 1·4 | 134 | 0 | 3 | 0·44 | - 0·31 | • | • | • | • | • | • | • | • | • | |
| *a Seskin, Carrick-on-Suir* | *541* | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 79 | 21st | 50 | 19, 25 | 67·3 | 52·4 | 59·3 | + 0·9 | 121 | 0 | 4 | 0·21 | - 0·44 | 4·9 | + 0·4 | 30 | • | • | • | • | • | • | Birr Castle. |
| *a* Foynes .. .. .. | 50 | 75 | 21st | 51 | 20, 25 | 65·3 | 53·6 | 59·0 | + 0·2 | 119 | 0 | 5 | 0·38 | - 0·31 | • | • | • | • | • | • | • | • | • | |
| *b*, West .. *a* Cahir .. .. | 199 | 80 | 21st | 51 | 19, 25 | 67·9 | 53·0 | 59·9 | + 0·9 | 125 | 0 | 4 | 0·15 | — | • | • | • | • | • | • | • | • | • | |
| *a* Killarney .. .. | 174 | 77 | 20th | 52 | 25th | 66·6 | 54·1 | 59·9 | + 1·4 | 125 | 0 | 6 | 0·71 | - 0·05 | • | • | • | • | • | • | • | • | • | |
| *a* Valencia .. .. | 30 | 73 | 20th | 52 | 19th | 62·9 | 54·3 | 58·3 | - 0·1 | 114 | 0 | 5 | 0·24 | - 0·62 | 3·1 | - 1·8 | 19 | • | • | • | • | • | • | Valencia. |
| *a* Roche's Point .. .. | 32 | 71 | 21st | 53 | 25th | 65·1 | 54·9 | 59·8 | + 0·3 | 123 | 0 | 4 | 0·34 | - 0·30 | 5·4 | — | 34 | • | • | • | • | • | • | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 69 | 21st | 53 | 20th | 63·4 | 55·1 | 59·0 | - 1·7 | 119 | 0 | 4 | 0·87 | + 0·33 | 6·2 | - 0·8 | 40 | • | • | • | • | • | • | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 73 | 21st | 54 | 21st | 67·0 | 57·0 | 61·7 | - 0·5 | 138 | 0 | 6 | 1·18 | + 0·68 | 7·5 | - 0·6 | 48 | • | • | • | • | • | • | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 74 | 21st | 54 | 23rd | 67·0 | 55·7 | 61·0 | - 0·3 | 133 | 0 | 5 | 1·20 | + 0·71 | 6·2 | - 2·1 | 40 | 0 | 49 | 64·7 | +1·4 | 62·1 | +2·2 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 3·9 hrs. 25 %; Ramsgate, hrs. %; Rhyl, 4·7 hrs. 29 %; Salcombe, 5·0 hrs. 32 %; Tenby, 6·5 hrs. (−0·2) 41 %; Torquay, 4·4 hrs. (−2·8) 28 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, July 25th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 54 | 53 | 53·4 | +1·0 |
| Kirkwall .. .. | 57 | 55 | 56·3 | +1·8 |
| Wick .. .. .. | 50 | 48 | 49·0 | −3·7 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | 64 | 53 | 59·3 | +3·6 |
| Pennan Bay .. .. | 58 | 56 | 57·1 | +1·1 |
| Aberdeen, Cove Bay | 56 | 54 | 55·1 | +1·1 |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | 55 | 55 | 55·0 | −0·9 |
| Ballantrae .. .. | 67 | 55 | 59·9 | +4·6 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 55 | 51 | 52·9 | −0·9 |
| Scarborough .. .. | 56 | 55 | 55·2 | −0·2 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 60 | 57 | 58·7 | −1·3 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 64 | 62 | 63·3 | +1·1 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 61 | 56 | 58·1 | +3·0 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | 63 | 62 | 62·1 | +1·4 |
| Scilly .. .. .. | 62 | 58 | 59·6 | — |
| Plymouth‡ .. .. | 60 | 60 | 59·9 | 0·0 |
| Salcombe .. .. | 63 | 60 | 60·4 | +2·7 |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | 60 | 58 | 59·4 | +0·9 |
| Teelin .. .. .. | 64 | 56 | 58·6 | −0·9 |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 63 | 58 | 60·8 | +3·3 |
| Seafield .. .. | 66 | 56 | 61·2 | +0·5 |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, July 25th.

| DISTRICT AND STATION | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | — | — | 33§ | 111§ | W. by N. 8 | 24th 15h. | 18 24th 15 10 |
| Aberdeen .. .. | 105 | — | — | 24, 25 | 9 | 49 | 110 | WNW. 12 | 25th 13h. | 22 24th 15 0 |
| Rosyth .. .. | 73 | — | — | 23 to 25 | 33 | 72 | 63 | W. by N. 14 | 24th 14h. | 22 24th 20 5 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 25th | 15 | 74 | 79 | WNW. 16 | 25th 7h. | 23 25th 6 30 |
| Paisley (Coats Obs.) | 80 | — | — | 25th | 1§ | 61§ | 93§ | NWbyN. 11 | 25th 14h. | 22 24th ? |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | — | — | — — | — — | — — — |
| South Shields .. | 61 | — | — | 24, 25 | 9 | 75 | 84 | W. by N. 13 | 24th 18h. | 20 24th 17.40 |
| Spurn Head .. | 40 | — | — | 24, 25 | 34§ | 90§ | 43§ | W. by N. 15 | 25th 17h. | 21 25th 15.10 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | — | — | 70 | 98 | — 10 | 19th 22h. | 17 25th 13.30 |
| Shoeburyness .. | 90 | — | — | 19th | 2 | 72 | 94 | — 11 | 19th 20h. | 19 25th 17. 5 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | — | — | 50 | 118 | — 9 | 22nd 19h. | 16 25th 16.35 |
| Warlingham .. | 33 | — | — | — | — | 14§ | 151§ | — 7 | 25th 14h. | 14 25th 13.55 |
| Brighton .. .. | 53 | — | — | — | — | — | — | — — | — — | — — — |
| Kew .. .. .. | 40 | — | — | — | — | 18 | 150 | W. 8 | 25th 14h. | 17 25th 13.10 |
| South Kensington | 92 | — | — | — | — | 3 | 165 | W. by N. 6 | 25th 14h. | 15 25th 13.55 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | 42 | 128 | WNW. 9 | 25th 15h. | 17 25th 15.40 |
| Southport .. .. | 62 | 24, 25 | 16 | 22 to 25 | 74 | 41 | 37 | WNW. 19 | 25th 10h. | 25 25th 9.55 |
| Holyhead .. .. | 40 | — | — | 20, 23 to 25 | 44 | 85 | 39 | W. by N. 16 | 25th 5h. | 20 25th 7. 5 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | 20th | 3 | 19, 20, 22, 23, 25 | 37 | 89 | 39 | E. 18 | 20th 11h. | 23 20th 10.45 |
| Plymouth .. .. | 86 | — | — | 19, 20 | 7 | 72 | 89 | — 12 | 20th 11h. | 20 20th 11.20 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 21 to 25 | 83§ | 55§ | 29§ | — 15 | 25th 16h. | 22 25th 24. 0 |
| Crosshaven † .. | 30 | — | — | — | — | 107 | 61 | — 10 | 25th 18h. | 19 25th 15. 0 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | 23 to 25 | 23§ | 77§ | 56§ | NW. 14 | 25th 23h. | 20 23rd 21.50 |

† The Anemograph from Roches Point has been moved to Crosshaven on the W. of Cork Harbour. The records entered for Roches Point from June 21st refer to Crosshaven.

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907–1911, but in some cases for 1908–1911, or 1909–1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

## [Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**TWENTY-NINTH WEEK**—July 19th to July 25th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 81 | 46 | 61·6 | 50·9 | 55·9 | + 0·9 | 97 | + 6 | 0 | 0 | 5 | 0 | 0·99 | +0·21 | 4·6 | +0·5 | 27 | 1002 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 82 | 40 | 66·0 | 51·3 | 58·1 | + 1·2 | 113 | + 9 | 0 | 0 | 3 | − 1 | 0·46 | −0·27 | 5·5 | +0·4 | 32 | 1003 |
| 2. ENGLAND, N.E. ... .. | 83 | 46 | 66·7 | 53·9 | 59·9 | + 1·2 | 125 | + 8 | 0 | 0 | 3 | 0 | 0·24 | −0·30 | 4·7 | −1·5 | 29 | 1004 |
| 3. ENGLAND, EAST ... | 83 | 49 | 69·9 | 55·9 | 62·4 | + 1·7 | 143 | + 12 | 0 | 0 | 3 | 0 | 0·23 | −0·36 | 4·7 | −2·0 | 29 | 1005 |
| 4 MIDLAND COUNTIES ... | 84 | 45 | 67·6 | 54·4 | 60·5 | + 0·4 | 130 | + 3 | 0 | 0 | 4 | + 1 | 0·76 | +0·18 | 3·6 | −2·2 | 23 | 1005 |
| 5. ENGLAND, S.E. ... ... | 77 | 44 | 67·6 | 55·9 | 61·4 | − 0·2 | 136 | − 1 | 0 | 0 | 4 | + 1 | 1·00 | +0·45 | 3·9 | −2·9 | 24 | 1006 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 46 | 65·8 | 53·1 | 59·0 | + 1·6 | 119 | + 11 | 0 | 0 | 4 | 0 | 0·21 | −0·61 | 5·5 | +0·1 | 33 | 1004 |
| 7. ENGLAND, N.W. ... ... | 84 | 46 | 66·3 | 54·8 | 60·2 | + 1·2 | 127 | + 8 | 0 | 0 | 5 | + 1 | 0·80 | +0·08 | 4·5 | −1·2 | 38 | 1006 |
| 8. ENGLAND, S.W. ... ... | 77 | 46 | 64·7 | 55·1 | 59·6 | − 0·4 | 123 | − 3 | 0 | 0 | 5 | + 1 | 1·45 | +0·70 | 4·3 | −1·8 | 27 | 1007 |
| 9. IRELAND, NORTH ... | 80 | 46 | 63·7 | 52·6 | 57·8 | + 0·4 | 111 | + 3 | 0 | 0 | 5 | 0 | 0·53 | −0·27 | 4·5 | +0·1 | 27 | 1007 |
| 10. IRELAND, SOUTH ... | 81 | 50 | 66·3 | 53·9 | 59·7 | + 0·6 | 124 | + 4 | 0 | 0 | 5 | 0 | 0·42 | −0·30 | 4·5 | −0·4 | 28 | 1009 |
| 11. ENGLISH CHANNEL ... | 74 | 53 | 65·8 | 55·9 | 60·6 | − 0·9 | 130 | − 7 | 0 | 0 | 5 | + 1 | 1·08 | +0·51 | 6·6 | −0·9 | 43 | 1007 |

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 8 Weeks, May 31st to July 25th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 81 | 37 | * | * | * | * | 707 | + 73 | 0 | − 4 | 31 | − 1 | 3·71 | −1·81 | 5·0 | +0·1 | 28 | 1014 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 30 | * | * | * | * | 804 | + 88 | 0 | − 3 | 23 | − 5 | 3·95 | −0·64 | 6·1 | +0·3 | 36 | 1014 |
| 2. ENGLAND, N.E. ... ... | 85 | 33 | * | * | * | * | 897 | + 99 | 0 | 0 | 22 | − 2 | 5·64 | +2·02 | 6·4 | +0·1 | 39 | 1015 |
| 3. ENGLAND, EAST ... | 87 | 38 | * | * | * | * | 1015 | +110 | 0 | 0 | 22 | 0 | 3·58 | −0·27 | 7·3 | +0·4 | 45 | 1015 |
| 4. MIDLAND COUNTIES ... | 88 | 35 | * | * | * | * | 972 | + 80 | 0 | − 1 | 23 | 0 | 5·39 | +1·44 | 6·4 | +0·2 | 39 | 1015 |
| 5. ENGLAND, S.E. ... ... | 90 | 36 | * | * | * | * | 1011 | + 59 | 0 | 0 | 21 | 0 | 3·71 | +0·09 | 7·8 | +0·7 | 48 | 1016 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 35 | * | * | * | * | 838 | + 66 | 0 | − 1 | 27 | − 1 | 3·03 | −2·70 | 6·0 | −0·1 | 35 | 1015 |
| 7. ENGLAND, N.W. ... ... | 84 | 36 | * | * | * | * | 900 | + 60 | 0 | 0 | 26 | 0 | 5·24 | +0·73 | 6·3 | −0·1 | 38 | 1016 |
| 8. ENGLAND, S.W. ... ... | 86 | 34 | * | * | * | * | 931 | + 43 | 0 | 0 | 29 | + 3 | 6·19 | +1·70 | 6·3 | −0·5 | 39 | 1016 |
| 9. IRELAND, NORTH ... | 80 | 35 | * | * | * | * | 795 | + 18 | 0 | 0 | 30 | − 2 | 3·61 | −1·56 | 5·0 | −0·3 | 30 | 1015 |
| 10. IRELAND, SOUTH ... | 81 | 39 | * | * | * | * | 908 | + 47 | 0 | 0 | 28 | 0 | 3·63 | −1·31 | 5·7 | −0·1 | 35 | 1017 |
| 11. ENGLISH CHANNEL ... | 83 | 42 | * | * | * | * | 953 | + 7 | 0 | 0 | 26 | 0 | 4·13 | +0·43 | 6·9 | −1·2 | 43 | 1016 |

THE YEAR.—Aggregates, &c., for the Period of 29 Weeks, January 4th, 1914, to July 25th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 81 | 16 | * | * | * | * | 1156 | +134 | 391 | −166 | 133 | + 1 | 25·99 | +0·19 | 3·5 | −0·1 | 27 | 1008 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 1391 | +211 | 492 | −128 | 106 | − 2 | 15·88 | +0·51 | 4·4 | +0·2 | 34 | 1010 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 1619 | +342 | 299 | −176 | 97 | − 1 | 12·59 | +0·92 | 4·7 | +0·2 | 36 | 1012 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 1796 | +288 | 299 | −222 | 92 | − 3 | 12·15 | +0·44 | 5·2 | +0·4 | 41 | 1014 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 1768 | +245 | 367 | −166 | 97 | + 3 | 13·62 | +0·46 | 4·5 | +0·2 | 35 | 1014 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 1843 | +219 | 240 | −141 | 95 | + 5 | 15·52 | +2·75 | 5·5 | +0·7 | 43 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 1431 | +143 | 317 | −108 | 122 | + 8 | 21·72 | −1·22 | 4·1 | −0·2 | 32 | 1010 |
| 7. ENGLAND, N.W. ... ... | 84 | 22 | * | * | * | * | 1601 | +219 | 227 | −159 | 108 | + 4 | 17·40 | +1·10 | 4·5 | +0·2 | 35 | 1013 |
| 8. ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 1754 | +190 | 192 | −109 | 114 | +11 | 22·86 | +4·77 | 4·8 | 0·0 | 38 | 1014 |
| 9. IRELAND, NORTH ... | 80 | 25 | * | * | * | * | 1473 | +113 | 246 | − 99 | 129 | + 5 | 19·60 | +1·02 | 3·9 | −0·1 | 30 | 1011 |
| 10. IRELAND, SOUTH ... | 81 | 24 | * | * | * | * | 1750 | +157 | 174 | − 85 | 125 | +14 | 20·46 | +0·59 | 4·4 | 0·0 | 35 | 1013 |
| 11. ENGLISH CHANNEL ... | 83 | 25 | * | * | * | * | 1952 | +182 | 72 | − 37 | 109 | − 1 | 17·51 | +2·39 | 5·4 | −0·3 | 42 | 1015 |

M.O., July 29, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 117

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 30. THIRTIETH WEEK, SUNDAY, JULY 26TH, TO SATURDAY, AUGUST 1ST, 1914. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

During the first half of the period a North-Westerly to Northerly wind current prevailed over these Islands on the flank of a slow moving depression which was centred between the Shetlands and Norway on the previous Saturday and gradually drifted towards Denmark. The accompanying temperature was generally low for the time of year, and the weather mostly cloudy and unsettled, slight rain falling at times over the Kingdom generally. Later in the week a ridge of high pressure passed eastward over these Islands, accompanied by light variable airs, a higher temperature and fairer weather. It was, however, soon followed by a depression from the Atlantic, bringing a light to brisk wind from the Southward, an increase of temperature and rain. The rain began on Thursday on the west coast of Ireland, as much as 1·02 in. falling at Valencia, and it subsequently extended to practically all parts of the Kingdom. On Friday 1·08 in. fell at Plymouth, and on Saturday 1·05 in. at Arlington, about 1·15 in. at Llangammarch Wells and Buxton, and 1·60 in. at Shrewsbury. Thunderstorms occurred at some places in the south-west of England on Wednesday, and distant thunder was heard at Fort William on Friday.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Deficient | Deficient | Deficient | Deficient | Deficient | Deficient | Deficient | Deficient | Moderate | Deficient | Deficient |
| | Rainfall ... | Light | Moderate | Moderate | Moderate | Moderate | Light | Moderate | Moderate | Heavy | Moderate | Heavy | Moderate |
| | Sunshine ... | Scanty | Scanty | Scanty | Very scanty | Very scanty | Scanty | Scanty | Scanty | Scanty | Scanty | Scanty | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 9 weeks from May 31st, 1914. | Warmth ... | 3 * 0 | 4 * 2 | 4 * 1 | 4 * 1 | 3 * 1 | 3 * 1 | 4 * 2 | 3 * 1 | 3 * 1 | 3 * 1 | 1 * 1 | 2 * 2 |
| | Rainfall ... | 1 * 3 | 1 * 2 | 3 * 3 | 2 * 2 | 3 * 2 | 1 * 2 | 0 * 5 | 3 * 1 | 4 * 2 | 0 * 5 | 2 * 2 | 5 * 2 |
| | Sunshine ... | 3 * 2 | 2 * 2 | 2 * 4 | 3 * 3 | 3 * 4 | 3 * 2 | 1 * 3 | 3 * 4 | 1 * 5 | 2 * 3 | 2 * 3 | 0 * 5 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| | Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| | Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| | Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3 * 1 | 6 * 0 | 8 * 1 | 8 * 2 | 6 * 1 | 7 * 1 | 5 * 3 | 5 * 1 | 8 * 1 | 6 * 3 | 6 * 2 | 9 * 1 |
| | Rainfall ... | 5 * 2 | 5 * 5 | 4 * 6 | 4 * 5 | 4 * 5 | 5 * 4 | 6 * 4 | 4 * 5 | 7 * 6 | 5 * 5 | 4 * 6 | 6 * 5 |
| | Sunshine ... | 4 * 4 | 4 * 2 | 3 * 2 | 6 * 5 | 4 * 5 | 4 * 1 | 4 * 2 | 4 * 2 | 4 * 2 | 4 * 4 | 4 * 4 | 4 * 4 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(2105—19.) Wt. 229—611. 450. 8/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day-° | day-° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | 31 | 65 | *31st* | 48 | *29, 31* | 57·7 | 50·3 | 53·7 | — | *83* | *0* | 5 | *0·15* | — | 2·5 | — | *14* | • | • | 56·7 | • | • | • | *Baltasound.* |
| *a* Lerwick | 54 | 60 | 27th | 48 | 29, 30 | 57·4 | 50·6 | 53·8 | + 1·3 | 83 | 0 | 2 | 0·32 | — | 2·0 | - 2·3 | 12 | • | • | • | • | • | • | Deerness. |
| *a*, Islands .. *a* Stornoway | 51 | 64 | 1st | 46 | 27th | 59·0 | 48·9 | 53·6 | - 0·9 | 81 | 0 | 5 | 0·40 | - 0·35 | 3·5 | - 1·0 | 21 | • | • | • | • | • | • | Stornoway. |
| *a Castlebay, Barra Isd.* .. | 37 | 62 | *1st* | 46 | *26th* | 58·0 | *50·9* | 54·2 | *- 0·7* | *85* | *0* | *4* | *0·76* | — | 2·2 | — | *13* | | | | | | | *Castlebay.* |
| *a* Wick | 81 | 59 | 1st | 46 | 30th | 56·4 | 49·6 | 52·8 | - 1·8 | 76 | 0 | 5 | 0·13 | - 0·50 | • | • | • | • | • | • | • | • | • | |
| *b*, Main- *p* Strathpeffer | 200 | 67 | 1st | 42 | 27th | 62·7 | 48·0 | 54·8 | - 1·3 | 90 | 0 | 1 | 0·09 | - 0·54 | 2·4 | - 1·7 | 15 | • | • | • | • | • | • | Strathpeffer. |
| land. *p* Glencarron | 500 | | | | | | | | | | | | | | • | | | • | • | • | • | • | • | |
| *p* Fort Augustus | 68 | 68 | 30, 31 | 49 | 26, 27, 31 | 63·3 | 51·1 | 56·8 | + 0·5 | 104 | 0 | 2 | 0·16 | - 0·54 | 1·9 | - 1·2 | 11 | • | • | • | • | • | • | Fort Augustus. |
| *p* Fort William | 175 | 68 | 1st | 41 | 30th | 64·6 | 47·4 | 55·4 | - 1·1 | 94 | 0 | 2 | 0·33 | - 0·92 | • | | | • | • | • | • | • | • | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | 2·3 | — | 14 | 0 | 34 | 57·7 | -0·6 | 56·5 | +1·8 | Crathes S. |
| *p* Gordon Castle | 101 | 75 | 30th | 44 | 31st | 64·6 | 49·6 | 56·6 | - 0·1 | 102 | 0 | 4 | 0·31 | - 0·49 | *2·4* | — | *15* | • | • | • | • | • | • | *Gordon Castle.* |
| *a* Nairn | 82 | 68 | 1st | 43 | 31st | 60·1 | 48·3 | 53·8 | - 2·8 | 83 | 0 | 4 | 0·48 | - 0·09 | 2·4 | — | 16 | • | • | • | • | • | • | Nairn. |
| *a* Aberdeen | 46 | 64 | 31st | 47 | 30th | 59·9 | 50·0 | 54·6 | - 1·9 | 88 | 0 | 5 | 0·25 | - 0·39 | 2·8 | - 2·3 | 17 | • | • | • | • | 55·3 | +2·1 | Aberdeen. |
| *a* Balmoral | 930 | 69 | 30, 1 | 35 | 31st | 63·9 | 44·0 | 53·3 | - 0·8 | 79 | 0 | 1 | 0·18 | - 0·52 | • | • | • | 0 | 32 | • | • | • | • | Balmoral. |
| *p* Crieff | 432 | 68 | 28, 29 | 44 | 28th | 64·6 | 47·1 | 55·2 | - 2·6 | 92 | 0 | 2 | 1·08 | + 0·33 | 3·2 | — | 20 | • | • | • | • | • | • | Balruddery. |
| *a* Leith | 18 | 67 | 1st | 44 | 31st | 62·6 | 49·3 | 55·5 | - 2·9 | 95 | 0 | 3 | 0·64 | 0·00 | • | • | • | • | • | • | • | • | • | |
| *a* West Linton | 800 | 65 | 31st | 32 | 31st | 61·0 | 42·3 | 51·0 | - 4·4 | 63 | 0 | 4 | 0·51 | — | 2·7 | — | *17* | 0 | 31 | • | • | • | • | *West Linton.* |
| *p* Marchmont | 498 | | | | | | | | | | | | | | • | | | • | • | • | • | • | • | Marchmont. |
| *a Edinburgh* | *441* | *65* | *31, 1* | *47* | *27th* | *61·7* | *49·7* | *55·3* | — | *93* | *0* | *3* | *0·47* | — | 3·4 | — | 21 | 0 | 37 | • | • | • | • | Edinburgh. |
| **6.** *a*, SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 67 | 1st | 37 | 27th | 62·9 | 46·0 | 54·9 | - 3·6 | 83 | 0 | 3 | 0·62 | - 0·34 | • | • | • | • | • | • | • | • | • | |
| *p* Glasgow Observatory | 189 | 69 | 28th | 45 | 27th | 63·6 | 49·1 | 55·9 | - 1·6 | 97 | 0 | 3 | 0·70 | - 0·05 | 2·2 | - 2·3 | 14 | 0 | 35 | • | • | • | • | Glasgow. |
| *p* Rothesay | 90 | 70 | 28th | 39 | 27th | 62·3 | 46·9 | 54·1 | - 3·2 | 85 | 0 | 2 | 0·86 | - 0·11 | *5·7* | — | *35* | 0 | 34 | 57·9 | • | 55·7 | +0·7 | *Rothesay.* |
| *a* Kilmarnock | 90 | 70 | 29th | 36 | 27th | 65·9 | 46·0 | 55·3 | - 2·3 | 93 | 0 | 2 | 0·87 | — | *4·1* | — | *25* | 0 | 42 | • | • | • | • | *Kilmarnock.* |
| *a* Colmonell | 150 | 68 | 28th | 46 | 27th | 64·7 | 48·9 | 56·3 | - 0·9 | 100 | 0 | 3 | 0·77 | - 0·02 | • | • | • | • | • | • | • | • | • | |
| *p* Dumfries | 160 | 67 | 28th | 44 | 27, 31 | 63·6 | 49·4 | 56·0 | - 2·7 | 98 | 0 | 2 | 0·71 | - 0·08 | 2·8 | — | *17* | 0 | 36 | 59·1 | • | 59·2 | • | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 68 | 28th | 37 | 27th | 64·1 | 45·3 | 54·1 | - 3·7 | 85 | 0 | 1 | 0·94 | + 0·04 | • | • | • | • | • | • | • | • | • | |
| *b*. I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 64 | 28, 29 | 48 | 26, 27 | 61·4 | 50·4 | 55·5 | - 1·8 | 93 | 0 | 3 | 1·17 | + 0·42 | 6·3 | + 0·1 | 39 | 0 | 44 | • | • | • | • | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 66 | 31st | 42 | 31st | 62·6 | 49·3 | 55·5 | - 1·7 | 95 | 0 | 3 | 0·61 | - 0·04 | 3·2 | — | 20 | 0 | 35 | 56·3 | -2·1 | 56·2 | +1·0 | Cockle Park. |
| *a* Tynemouth | 96 | 67 | 31st | 49 | 26th | 60·9 | 50·6 | 55·4 | - 2·3 | 94 | 0 | 3 | 0·47 | - 0·13 | *3·1* | — | *19* | • | • | • | • | • | • | *Tynemouth.* |
| *p* Durham | 336 | 66 | 31st | 45 | 31st | 62·1 | 48·0 | 54·6 | - 4·1 | 88 | 0 | 3 | 0·27 | - 0·39 | 2·8 | - 2·5 | 17 | 0 | 43 | • | • | • | • | Durham. |
| *a*, North .. *p* Rounton | 249 | 68 | 31st | 46 | 31st | 61·3 | 48·7 | 54·6 | - 3·0 | 88 | 0 | 4 | 0·51 | - 0·13 | • | • | • | 0 | 42 | 58·5 | • | • | • | Rounton. |
| *a West Witton* | *605* | *67* | *31st* | *42* | *31st* | *62·7* | *43·9* | *55·3* | — | *93* | *0* | *3* | *0·43* | — | • | • | • | 0 | 40 | 58·4 | • | 55·8 | • | *West Witton.* |
| *p* Scarborough | 100 | 70 | 31st | 50 | 27th | 62·7 | 52·1 | 57·0 | - 1·7 | 105 | 0 | 3 | 0·46 | - 0·11 | 3·8 | — | 24 | • | • | • | • | 60·4† | • | Scarborough. |
| *p* York | 56 | 69 | 31, 1 | 49 | 26th | 64·7 | 51·7 | 57·8 | - 2·1 | 110 | 0 | 4 | 0·86 | + 0·28 | *1·0* | - 1·6 | 25 | 0 | 43 | 57·1 | -3·2 | 57·0 | +1·9 | York. |
| *a* Spurn Head | 26 | 68 | 1st | 49 | 26th | 62·7 | 52·1 | 57·0 | - 2·6 | 105 | 0 | 4 | 0·59 | + 0·19 | *1·0* | — | 6 | 0 | 43 | 57·1 | -3·2 | 57·0 | +1·9 | *Hull.* |
| *b*, South .. *a* Lincoln | 58 | 71 | 31st | 49 | 30th | 64·9 | 51·4 | 57·7 | - 3·0 | 110 | 0 | 3 | 0·50 | - 0·01 | *3·0* | — | *19* | • | • | • | • | • | • | *Spurn Head.* |
| *a* Fulbeck | 180 | 70 | 31st | 46 | 30th | 65·7 | 50·1 | 57·4 | - 3·0 | 108 | 0 | 5 | 0·55 | + 0·02 | • | • | • | • | • | 60·5 | —0·5 | 59·8 | +3·4 | Lincoln. |
| | | | | | | | | | | | | | | | 3·8 | — | 24 | 0 | 46 | 61·5 | -2·5 | 58·9 | +1·0 | Rauceby. |
| | | | | | | | | | | | | | | | 4·0 | — | 25 | • | • | • | • | • | • | Skegness. |
| | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | *Lowestoft.* |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | 2·9 | — | 18 | • | • | • | • | • | • | Cromer. |
| *p* Cromer | 196 | 76 | 1st | 48 | 31st | 64·6 | 52·1 | 57·9 | - 2·5 | 111 | 0 | 5 | 1·35 | — | 2·9 | - 3·5 | 19 | 0 | 45 | • | • | • | • | Lit. Massingham. |
| *p* Little Massingham | 280 | 73 | 31st | 48 | 26, 31 | 64·9 | 50·6 | 57·3 | - 3·3 | 107 | 0 | 6 | 0·71 | + 0·09 | 3·4 | — | 22 | • | • | 61·0 | -4·1 | 61·6 | +0·7 | Yarmouth. |
| *a*, North .. *a* Yarmouth | 17 | 73 | 1st | 49 | 31st | 64·0 | 51·7 | 57·4 | - 3·1 | 108 | 0 | 6 | 0·34 | - 0·21 | *2·8* | — | *18* | 0 | 44 | 60·3 | • | • | • | *Norwich.* |
| *a* Norwich | 93 | 76 | 1st | 46 | 31st | 65·1 | 52·4 | 58·3 | - 2·3 | 114 | 0 | 6 | 0·42 | — | 3·7 | - 3·1 | 24 | • | • | • | • | • | • | Geldeston. |
| *a* Geldeston | 37 | 79 | 1st | 41 | 31st | 66·1 | 51·1 | 58·1 | - 2·3 | 113 | 0 | 4 | 0·27 | - 0·25 | | | | | | | | | | |
| *p* Cambridge | 41 | 75 | 1st | 47 | 29th | 67·0 | 51·0 | 58·4 | - 3·3 | 115 | 0 | 4 | 0·30 | - 0·23 | 3·5 | - 3·2 | 22 | 0 | 38 | 60·8 | -2·4 | 59·9 | +0·6 | Cambridge. |
| *a Felixstowe* | *10* | *72* | *1st* | *49* | *29th* | *66·1* | *52·9* | *59·0* | *- 2·7* | *119* | *0* | *4* | *0·09* | — | *6·2* | — | *40* | • | • | • | • | • | • | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 70 | 1st | 49 | 29th | 65·7 | 52·7 | 58·8 | - 2·9 | 118 | 0 | 4 | 0·17 | — | 3·7 | — | 24 | 0 | 44 | 60·2 | -0·7 | 60·4 | +0·8 | Clacton. |
| *b*, South .. *a* Rothamsted | 424 | 72 | 1st | 45 | 30, 31 | 66·4 | 49·7 | 57·5 | - 2·9 | 109 | 0 | 2 | 0·17 | - 0·39 | 3·0 | - 4·0 | 19 | • | • | • | • | • | • | Rothamsted. |
| *a Shoeburyness* | *13* | *79* | *1st* | *48* | *29th* | *67·4* | *52·6* | *59·5‡* | *- 3·7* | *123* | *0* | *4* | *0·07* | *- 0·32* | *5·1* | — | *33* | 0 | 45 | 62·3 | -4·0 | • | • | *Southend.* |
| *p* Tottenham | 51 | 76 | 1st | 48 | 30th | 68·0 | 52·9 | 59·9 | - 3·4 | 125 | 0 | 2 | 0·34 | — | 3·8 | — | 24 | 0 | 41 | • | • | 62·0 | +1·6 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate | 476 | 66 | 31, 1 | 44 | 31st | 62·9 | 48·7 | 55·3 | - 2·2 | 93 | 0 | 3 | 0·70 | + 0·15 | *1·5* | — | *9* | 0 | 42 | 58·6 | -2·6 | 57·0 | +1·6 | *Huddersfield.* |
| *a* Bawtry | 65 | 70 | 31st | 45‖ | 31st | 65·7 | 50·9 | 57·8 | - 2·4 | 111 | 0 | 3 | 0·48 | - 0·05 | 2·4 | — | 15 | 0 | 41 | 58·1 | +0·9 | 57·9 | +2·6 | Harrogate. |
| *p Buxton* | *987* | *68* | *30th* | *45‖* | *26, 28, 29* | *60·3* | *46·6* | *53·0* | *- 3·9* | *77* | *0* | *3* | *1·84* | *+ 0·93* | 2·9 | - 2·3 | 18 | 0 | 41 | 59·6 | • | 57·9 | • | Worksop. |
| *a*, East .. *a* Nottingham | 82 | 69 | 1st | 49 | 26th | 64·9 | 52·0 | 58·0 | - 2·6 | 112 | 0 | *1·5* | — | *9* | 0 | 41 | 59·6 | • | 57·9 | • | *Buxton.* | | | |
| *p* Birmingham, Edgbsn. | 535 | 67 | 30, 1 | 48 | 26, 27 | 63·9 | 50·7 | 56·8 | - 3·1 | 104 | 0 | 4 | 0·75 | + 0·22 | 2·4 | — | 15 | 0 | 46 | 58·8 | -2·8 | 59·5 | +1·9 | Nottingham. |
| *a* Raunds | 203 | 71 | 31st | 47 | 26th | 66·7 | 49·3 | 57·4 | - 3·8 | 108 | 0 | 3 | 0·44 | - 0·08 | 2·3 | — | 15 | 0 | 42 | 54·6 | -2·2 | 53·8 | +1·1 | Birmingham. |
| *p* Oxford | 208 | 71 | 30th | 48 | 29th | 65·7 | 51·1 | 57·9 | - 3·6 | 111 | 0 | 3 | 0·24 | — | *2·0* | — | *13* | 0 | 40 | 61·5 | • | 58·1 | • | *Raunds.* |
| | | | | | | | | | | | | 4 | 0·62 | + 0·09 | 3·3 | - 3·2 | 21 | 0 | 41 | • | • | • | • | Oxford. |
| | | | | | | | | | | | | | | | 3·2 | — | 20 | 0 | 44 | 58·6 | -0·7 | 56·6 | +2·1 | Sheffield. |
| | | | | | | | | | | | | | | | • | • | • | 0 | 46 | • | • | • | • | Cheadle. |
| *a* Cheadle | 646 | 68 | 28th | 46 | 27th | 63·0 | 51·6 | 56·9 | - 1·3 | 104 | 0 | 4 | 0·61 | - 0·05 | • | • | • | 0 | 41 | • | • | • | • | Shrewsbury. |
| *p* Shrewsbury | 191 | 71 | 30th | 40 | 28th | 67·0 | 47·7 | 56·7 | - 2·8 | 103 | 0 | 3 | 1·81 | — | *4·3* | — | *27* | 0 | 39 | 60·6 | • | 60·7 | • | *Malvern.*§ |
| *b*, West .. *a* Hereford§ | 291 | 71 | 30th | 42 | 28th | 68·0 | 47·9 | 57·3 | - 3·1 | 107 | 0 | 2 | 0·13 | - 0·38 | 3·8 | - 2·6 | 24 | 0 | 42 | 58·8 | • | 57·9 | • | Cirencester. |
| *a* Cirencester | 446 | 71 | 30th | 48 | 28th | 65·5 | 50·1 | 57·3 | - 2·1 | 107 | 0 | 3 | 0·84 | + 0·24 | 4·7 | — | 30 | • | • | • | • | • | • | Bath. |
| *a* Bath | 66 | 71 | 30th | 46 | 28,29 | 67·4 | 50·0 | 58·1 | - 2·8 | 113 | 0 | 4 | 0·59 | - 0·01 | | | | | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | • | • | • | 0 | 41 | 62·6 | +0·9 | 61·2 | +1·4 | Canterbury |
| *p* Kew | 18 | 75 | 1st | 48 | 30th | 66·6 | 51·9 | 58·7 | - 3·3 | 117 | 0 | 3 | 0·30 | - 0·22 | 3·7 | - 3·0 | 24 | 0 | 39 | 60·2 | -2·3 | 59·3 | +1·5 | Kew. |
| *a* Marlborough | 424 | 77 | 31st | 39 | 28, 29 | 67·4 | 44·6 | 55·2 | - 4·4 | 92 | 0 | 3 | 0·69 | + 0·15 | 4·4 | - 1·7 | 28 | 0 | 36 | 61·0 | • | 58·3 | • | Marlborough. |
| *a* Margate | 35 | 73 | 1st | 51 | 27th | 67·0 | 55·7 | 61·0 | - 1·0 | 133 | 0 | 2 | 0·04 | - 0·41 | 6·2 | - 0·5 | 40 | 0 | 51 | 61·9 | -0·5 | 60·5 | +1·9 | Margate. |
| *a* Wisley, Surrey | 150 | 76 | 1st | 43 | 29th | 67·0 | 48·4 | 57·1 | - 5·4 | 106 | 0 | 3 | 0·15 | — | 3·7 | — | 24 | 0 | 35 | 60·4 | -2·6 | 59·6 | +0·3 | Wisley. |
| | | | | | | | | | | | | | | | 5·9 | — | 38 | 0 | 44 | 62·0 | -2·3 | 60·6 | +0·9 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 72 | 30th | 45 | 28, 29 | 67·1 | 48·4 | 57·1 | - 4·8 | 106 | 0 | 3 | 0·44 | - 0·07 | • | • | • | 0 | 43 | 61·9 | • | • | • | Salisbury. |
| *a* Tunbridge Wells | 418 | 77 | 1st | 44 | 29th | 68·7 | 48·7 | 58·0 | - 2·8 | 112 | 0 | 3 | 0·08 | - 0·42 | 5·0 | - 1·7 | 32 | 0 | 38 | 60·4 | -3·4 | 59·1 | • | Tunbridge Wells. |
| *a* Dungeness | 21 | 73 | 1st | 48 | 30th | 65·7 | 52·0 | 58·4 | - 2·9 | 115 | 0 | 3 | 0·28 | - 0·12 | 6·8 | — | 44 | • | • | • | • | • | • | Littlestone. |
| *p* Hastings | 178 | 74 | 1st | 49 | 26, 27 | 66·4 | 54·9 | 59·2 | - 2·0 | 120 | 0 | 3 | 0·11 | - 0·39 | *6·0* | *- 1·7* | *39* | 0 | 45 | 61·9 | • | 61·0 | • | *Hastings.* |
| *p* Southampton | 65 | 71 | 1st | 49 | 28, 29 | 67·4 | 51·4 | 58·8 | - 4·2 | 118 | 0 | 4 | 0·57 | + 0·02 | 4·9 | - 2·3 | 31 | 0 | 44 | • | • | • | • | Southampton. |
| *a* Ventnor | 80 | 72 | 1st | 52 | 26, 27 | 67·6 | 54·4 | 60·5 | - 1·7 | 130 | 0 | 2 | 0·15 | - 0·32 | 4·9 | - 2·2 | 32 | • | • | • | • | • | • | Ventnor. |
| | | | | | | | | | | | | | | | *5·6* | — | *36* | 0 | 46 | 62·0 | -3·3 | 61·8 | +0·8 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 6·0 | - 1·6 | 39 | 0 | 46 | 62·1 | • | 61·4 | • | Eastbourne. |
| | | | | | | | | | | | | | | | *4·6* | — | *30* | • | • | 61·3 | • | 61·3 | • | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | *Brighton.* |
| *a Westminster* | *27* | *76* | *1st* | *50* | *30th* | *67·7* | *53·1* | *59·9* | *- 2·3* | *125* | *0* | *3* | *0·29* | *- 0·22* | *3·7* | *- 2·1* | *24* | 0 | 45 | • | • | • | • | *Westminster.* |
| *a Greenwich* | *155* | *82* | *1st* | *48* | *31st* | *69·0* | *51·6* | *59·7* | *- 3·6* | *124* | *0* | *3* | *0·30* | *- 0·23* | *4·3* | *- 3·3* | *28* | 0 | 39 | • | • | • | • | *Greenwich.* |
| *a Hampstead* | *450* | *74* | *1st* | *47* | *30th* | *65·6* | *51·4* | *58·0* | — | *112* | *0* | *3* | *0·35* | — | *3·6* | — | *23* | 0 | 39 | • | • | • | • | *Hampstead.* |
| *a Camden Square* | *110* | *79* | *1st* | *47* | *30th* | *70·6* | *51·7* | *60·5* | — | *130* | *0* | *3* | *0·23* | — | *3·4* | — | *22* | 0 | 42 | • | • | • | • | *Camden Square.* |
| | | | | | | | | | | | | | | | *2·0* | — | *13* | 0 | 42 | 57·5 | -1·3 | 56·2 | +1·4 | *Burnley.* |
| | | | | | | | | | | | | | | | 5·6 | — | 35 | • | • | • | • | • | • | Hoylake. |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Aspatria | 250 | 70 | 28th | 45 | 27th | 64·4 | 49·2 | 56·3 | - 0·5 | 100 | 0 | 3 | 0·80 | - 0·10 | 3·0 | — | 19 | 0 | 39 | 58·3 | • | 55·8 | • | Aspatria. |
| *p* Newton Rigg | 559 | 67 | 28th | 42 | 31st | 62·7 | 47·0 | 54·3 | - 2·5 | 86 | 0 | 3 | 0·38 | - 0·34 | 2·4 | - 3·1 | 15 | 0 | 35 | 58·9 | -1·1 | 56·3 | +0·7 | Newton Rigg. |
| *p* Stonyhurst | 375 | 66 | 30, 31 | 46 | 27th | 63·4 | 50·7 | 56·6 | - 1·3 | 102 | 0 | 5 | 1·29 | + 0·36 | 3·2 | - 2·3 | 20 | 0 | 37 | • | • | • | • | Stonyhurst. |
| *p* Blackpool | 66 | 66 | 1st | 49 | 29, 31 | 62·7 | 51·9 | 56·9 | - 2·3 | 104 | 0 | 3 | 0·98 | + 0·31 | 5·2 | - 0·6 | 33 | 0 | 41 | 58·9 | • | 56·5 | • | Blackpool. |
| *a Southport* | *37* | *66* | *1st* | *49* | *29th* | *62·7* | *52·1* | *57·0* | — | *105* | *0* | *4* | *0·68* | — | *6·1* | *- 0·2* | *38* | 0 | 41 | 61·5 | -2·3 | 60·7 | 0·0 | *Southport.* |
| *a* Liverpool (Bidston) | 188 | 66 | 29th | 49 | 26th | 62·6 | 52·6 | 57·3 | - 2·6 | 107 | 0 | 3 | 0·59 | - 0·03 | 5·7 | — | *36* | • | • | • | • | • | • | *Liverpool.* |
| *a Hawarden Bridge* | *22* | *69* | *1st* | *49* | *26, 31* | *64·4* | *51·3* | *57·4* | *- 2·8* | *108* | *0* | *3* | *1·03* | *+ 0·50* | *1·7* | — | *11* | 0 | 42 | 59·9 | -0·9 | 61·1 | +3·3 | *Manchester (City).* |
| *p* Manchester (Whit. Pk.) | 125 | 68 | 30, 1 | 48 | 27th | 63·9 | 51·3 | 57·2 | - 2·5 | 106 | 0 | 4 | 0·63 | + 0·03 | *1·3* | *- 3·7* | *8* | • | • | • | • | • | • | *Whit. Park.* |
| *b* NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 68 | 29, 1 | 50 | 29th | 64·4 | 52·4 | 58·0 | - 1·9 | 112 | 0 | 3 | 0·97 | + 0·43 | 7·2 | + 1·4 | 45 | • | • | • | • | • | • | Llandudno. |
| *a* Holyhead | 57 | 65 | 30th | 51 | 27th | 62·4 | 53·4 | 57·6 | - 0·9 | 109 | 0 | 4 | 0·76 | + 0·16 | *6·8* | — | *43* | • | • | • | • | • | • | *Holyhead.* |
| *Bettws-y-Coed* | *101* | *69* | *1st* | *44* | *28th* | *64·0* | *48·3* | *55·6* | *- 3·5* | *95* | *0* | *3* | *1·13* | — | *5·3* | — | *33* | • | • | 55·7 | -2·6 | 55·1 | +0·6 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 5·8 | — | 37 | | | | | | | Aberdovey. |

* For note see also opposite page. † At 3 ft. ‖ Hoar frost. § The temperature on the grass refers to Hereford

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| Districts and Names of Stations reporting Temperature of Air and Rainfall. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | Stations reporting Sunshine and Temperature on the Grass and in the Ground. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | • | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Llangammarch Wells | 550 | 72 | 30th | 41 | 30th | 64·7 | 46·3 | 54·9 | - 3·2 | 90 | 0 | 3 | 1·69 | — | 5·9 | — | 38 | • | • | • | • | • | • | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 65 | 29th | 50 | 29th | 61·1 | 52·1 | 56·3 | - 2·1 | 100 | 0 | 5 | 1·08 | + 0·50 | 3·9 | — | 25 | 0 | 37 | 58·0 | -0·1 | 55·4 | +1·2 | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 69 | 30th | 48 | 28th | 65·4 | 51·4 | 57·9 | - 3·1 | 111 | 0 | 3 | 1·25 | + 0·47 | 4·5 | - 2·0 | 29 | • | • | • | • | • | • | Pembroke. |
| | | | | | | | | | | | | | | | *4·1* | — | *26* | 0 | 45 | 60·2 | -0·4 | 59·3 | +0·9 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 70 | 29, 30, 1 | 50 | 27th | 67·3 | 52·6 | 59·4 | - 2·5 | 122 | 0 | 4 | 1·23 | + 0·56 | *5·2* | — | *33* | 0 | 47 | • | • | • | • | |
| *a* Shaftesbury .. .. | 722 | 68 | 28th | 43 | 28th | 63·6 | 47·9 | 55·2 | - 4·6 | 92 | 0 | 4 | 0·53 | - 0·08 | • | • | • | • | • | 59·4 | • | 59·1 | • | *Clifton.* |
| *a* Arlington .. .. | 613 | 70 | 30th | 46 | 28th | 64·3 | 49·3 | 56·8 | - 2·0 | 100 | 0 | 4 | 1·94 | + 0·98 | • | • | • | • | • | • | • | • | • | Shaftesbury. |
| *a Newquay* .. .. | *190* | *66* | *1st* | *47* | *30th* | *61·4* | *53·0* | *56·9* | *- 3·5* | *104* | *0* | *6* | *1·46* | *+ 0·93* | 4·1 | - 2·7 | 27 | 0 | 42 | 61·3 | • | 58·8 | • | Arlington. |
| *a* Cullompton .. .. | 202 | 73 | 29th | 44 | 28th | 67·1 | 50·4 | 58·2 | - 2·3 | 113 | 0 | 5 | 0·70 | + 0·04 | 4·7 | - 1·3 | 31 | 0 | 41 | 62·1 | • | • | • | Newquay. |
| *a* Portland .. .. | 19 | 67 | 29th | 53 | 27, 28 | 63·0 | 55·0 | 58·7 | - 1·8 | 117 | 0 | 5 | 0·59 | — | *3·9* | — | *25* | • | • | • | • | 58·8 | • | Cullompton. |
| *p* Plymouth .. .. | 116 | 66 | 29, 30 | 51 | 27, 30 | 63·3 | 53·0 | 57·8 | - 3·4 | 111 | 0 | 6 | 2·42 | + 1·76 | 4·9 | - 1·8 | 32 | 0 | 44 | 61·8 | -4·1 | • | • | *Weymouth.* |
| *a* Falmouth .. .. | 167 | 69 | 30th | 50 | 27th | 63·7 | 53·3 | 58·1 | - 2·1 | 113 | 0 | 7 | 1·99 | + 1·32 | 4·7 | - 2·6 | 31 | 0 | 49 | 63·7 | • | 61·3 | • | Plymouth. |
| | | | | | | | | | | | | | | | | | | | | | | | | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Malin Head .. .. | 208 | 64 | 1st | 48 | 26th | 58·7 | 51·0 | 54·6 | - 1·8 | 88 | 0 | 4 | 0·67 | - 0·01 | 3·0 | • | 19 | • | • | • | • | • | • | |
| *a*, West .. *a* Blacksod Point .. | 37 | 64 | 30, 1 | 48 | 26th | 61·0 | 51·3 | 55·8 | - 1·9 | 97 | 0 | 6 | 1·42 | + 0·66 | • | • | • | • | • | • | • | • | • | |
| *p* Markree Castle .. | 122 | 70 | 30th | 46 | 1st | 62·0 | 49·9 | 55·5 | - 1·4 | 95 | 0 | 5 | 1·26 | + 0·46 | 2·7 | - 1·4 | 17 | 0 | 39 | 59·3 | • | 56·8 | • | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 72 | 30th | 46 | 30th | 64·4 | 49·6 | 56·5 | - 2·1 | 102 | 0 | 6 | 0·65 | - 0·05 | *2·7* | *- 1·7* | *17* | • | • | • | • | • | • | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 69 | 30, 1 | 45 | 26, 29 | 64·4 | 49·9 | 56·7 | - 1·2 | 103 | 0 | 4 | 0·34 | - 0·39 | 2·8 | - 1·6 | 18 | 0 | 39 | 60·7 | -0·9 | 58·5 | +0·9 | |
| *a* Donaghadee .. .. | 39 | 62 | 28, 29 | 48 | 30th | 60·6 | 51·6 | 55·8 | - 2·0 | 97 | 0 | 3 | 0·55 | - 0·14 | • | • | • | • | • | • | • | • | • | Armagh. |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Dublin, City .. .. | 47 | 66 | 1st | 49 | 26, 27 | 63·0 | 52·7 | 57·5 | - 2·8 | 109 | 0 | 5 | 0·36 | - 0·24 | 4·3 | - 1·0 | 27 | 0 | ?44 | 60·0 | -1·0 | 58·3 | +0·5 | *Trinity Coll.* |
| *a*, East .. *a* Kilkenny .. .. | 212 | 70 | 30th | 42 | 30th | 64·0 | 49·1 | 56·0 | - 2·6 | 98 | 0 | 6 | 1·00 | + 0·35 | • | • | • | 0 | 44 | • | • | • | • | Phœnix Park. |
| *a* Waterford .. .. | 20 | 68 | 29th | 46 | 30th | 63·6 | 51·9 | 57·3 | - 2·4 | 107 | 0 | 5 | 1·12 | + 0·34 | • | • | • | 0 | 47 | • | • | • | • | Dublin City. |
| *a Seskin, Carrick-on-Suir* | *541* | *68* | *30th* | *46* | *27th* | *62·0* | *49·6* | *55·4* | — | *94* | *0* | *5* | *0·98* | — | • | • | • | • | • | • | • | • | • | |
| | | | | | | | | | | | | | | | *3·9* | • | *25* | 0 | 39 | • | • | • | • | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 72 | 30th | 46 | 30th | 64·4 | 49·6 | 56·5 | - 2·1 | 102 | 0 | 6 | 0·65 | - 0·05 | 2·7 | - 1·7 | 17 | • | • | • | • | • | • | |
| *a* Foynes .. .. .. | 50 | 71 | 30th | 45 | 30th | 63·9 | 50·7 | 56·8 | - 2·0 | 104 | 0 | 5 | 1·31 | + 0·56 | • | • | • | • | • | • | • | • | • | Birr Castle. |
| *b*, West .. *a* Cahir .. .. | 199 | 69 | 30th | 41 | 30th | 64·3 | 50·4 | 56·9 | - 2·0 | 104 | 0 | 6 | 1·37 | — | • | • | • | • | • | • | • | • | • | |
| *a* Killarney .. .. | 174 | 75 | 31st | 47 | 30th | 66·4 | 52·1 | 58·8 | + 0·3 | 118 | 0 | 6 | 0·84 | + 0·02 | • | • | • | • | • | • | • | • | • | |
| *a* Valencia .. .. | 30 | 65 | 29th | 52 | 28, 30 | 61·4 | 52·9 | 56·9 | - 1·8 | 104 | 0 | 6 | 2·09 | + 1·16 | 4·6 | - 0·3 | 29 | • | • | • | • | • | • | Valencia. |
| *a* Roche's Point .. .. | 32 | 65 | 29, 30 | 50 | 31st | 62·6 | 52·3 | 57·1 | - 2·3 | 106 | 0 | 6 | 1·28 | + 0·59 | 4·4 | — | 28 | • | • | • | • | • | • | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 67 | 30th | 51 | 27th | 63·1 | 53·6 | 58·0 | - 2·7 | 112 | 0 | 6 | 0·77 | + 0·23 | 5·1 | - 2·0 | 33 | • | • | • | • | • | • | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 72 | 1st | 50 | 29th | 66·4 | 54·6 | 60·1 | - 2·4 | 127 | 0 | 4 | 0·40 | - 0·10 | 5·2 | - 2·8 | 34 | • | • | • | • | • | • | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 74 | 1st | 49 | 29th | 67·6 | 53·4 | 60·0 | - 1·3 | 126 | 0 | 3 | 0·58 | + 0·07 | 5·8 | - 2·5 | 38 | 0 | 44 | 63·6 | -0·2 | 62·0 | +1·5 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 5·4 hrs. 35 %; Ramsgate, hrs. %; Rhyl, 7·2 hrs. 45 %; Salcombe, 5·3 hrs. 34 %; Tenby, 6·7 hrs. (+0·1) 43 %; Torquay, 4·1 hrs. (-2·9) 27 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Aug. 1st.

Taken daily at or about sunrise and at 4 p.m.

| District and Station. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 54 | 53 | 53·7 | +1·3 |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | 49 | 48 | 48·6 | -3·9 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | 58 | 54 | 55·5 | -0·7 |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 65 | 55 | 59·4 | +3·8 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 55 | 52 | 53·0 | -1·0 |
| Scarborough .. .. | 56 | 53 | 54·5 | -1·8 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 59 | 56 | 57·3 | -3·6 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 63 | 61 | 61·4 | -1·7 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 59 | 56 | 57·1 | +1·6 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. | 61 | 58 | 59·6 | — |
| Plymouth‡ .. .. | 59 | 58 | 58·9 | -1·4 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 60 | 56 | 58·3 | +1·0 |
| Seafield .. .. | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, August 1st.

| District and Station | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | — | — | 16 | 152 | N. by W. 6 | 28th 16h. | 14 28th 16.10 |
| Aberdeen .. .. | 105 | — | — | — | — | 54 | 114 | NWbyW.10 | 26th 11h. | 15 26th 10.40 |
| Rosyth .. .. | 73 | — | — | — | — | 30 | 138 | W. by N. 10 | 26th 1h. | 15 26th 0.40 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | — | — | 16 | 152 | — 10 | 26th 5h. | 15 26th 5.25 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 2 | 166 | NW. 7 | 26th 14h. | 12 26th 17.25 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 20§ | 147§ | NNW. 7 | 27th 9h. | 13 26th 9.10 |
| South Shields .. | 61 | — | — | — | — | 47 | 121 | — 9 | 26th 8h. | 13 29th 0.45 |
| Spurn Head .. | 40 | — | — | 26, 27 | 4 | 128 | 36 | NNW. 11 | 27th 15h. | 15 27th 15. 0 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 1st | 3 | 95 | 70 | — 12 | 1st 12h. | 16 1st 11.50 |
| Shoeburyness .. | 90 | — | — | — | — | 40 | 128 | S. by W. 10 | 1st 9h. | 16 26th 10.40 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | — | — | 36 | 132 | — 11 | 1st 11h. | 15 1st 10.20 |
| Warlingham .. | 33 | — | — | — | — | 10 | 158 | — 8 | 1st 11h. | 14 1st 11.20 |
| Brighton .. .. | 53 | — | — | — | — | 27§ | 128§ | — 9 | 26th 11h. | 15 26th 10.55 |
| Kew .. .. .. | 40 | — | — | — | — | 10 | 158 | SSW. 7 | 1st 13h. | 15 1st 9. 5 |
| South Kensington | 92 | — | — | — | — | 3 | 165 | SSW. 6 | 1st 13h. | 12 1st 13.10 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | 3 | 165 | W. 6 | 26th 15h. | 12 26th 1.35 |
| Southport .. .. | 62 | 26th | 1 | 26th | 19 | 46 | 102 | WNW. 17 | 26th 6h. | 24 26th 0.35 |
| Holyhead .. .. | 40 | — | — | 26, 27 | 25 | 34 | 109 | WNW. 16 | 26th 4h. | 20 26th 4.20 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | — | — | 26, 31 | 13 | 57 | 98 | WNW. 12 | 26th 11h. | 19 26th 10. 5 |
| Plymouth .. .. | 86 | — | — | — | — | 34 | 134 | — 7 | 26th 8h. | 15 26th 10.30 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 26, 27, 1 | 16§ | 80§ | 53§ | — 14 | 26th 7h. | 24 26th 6.30 |
| Weaver Pt. † .. | 30 | — | — | — | — | 66 | 102 | — 10 | 26th 12h. | 17 31st 4.35 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | — | — | — | — | — | — | — — — |

† The Anemograph from Roches Point has been moved to Crosshaven Hill near Weaver Pt. on the W. of Cork Harbour.

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**THIRTIETH WEEK**—July 25th to August 1st, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| **0.** SCOTLAND, NORTH ... | 68 | 41 | 60·6 | 49·3 | 54·5 | − 0·6 | 88 | − 4 | 0 | 0 | 3 | − 1 | 0·24 | −0·55 | 2·5 | −1·5 | 15 | 1009 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 75 | 32 | 62·4 | 47·2 | 54·3 | − 2·5 | 86 | − 18 | 0 | 0 | 3 | − 1 | 0·49 | −0·17 | 2·8 | −2·2 | 17 | 1009 |
| **2.** ENGLAND, N.E. ... .. | 71 | 42 | 63·1 | 50·4 | 56·3 | − 2·4 | 100 | − 17 | 0 | 0 | 4 | 0 | 0·54 | −0·12 | 3·5 | −2·2 | 22 | 1009 |
| **3.** ENGLAND, EAST ... | 79 | 41 | 65·8 | 51·6 | 58·2 | − 2·5 | 113 | − 18 | 0 | 0 | 4 | 0 | 0·45 | −0·12 | 3·4 | −2·9 | 21 | 1009 |
| **4** MIDLAND COUNTIES ... | 71 | 40 | 65·5 | 50·0 | 57·2 | − 2·8 | 106 | − 20 | 0 | 0 | 3 | − 1 | 0·66 | +0·04 | 3·1 | −2·4 | 20 | 1010 |
| **5.** ENGLAND, S.E. ... ... | 77 | 39 | 67·1 | 50·8 | 58·4 | − 3·2 | 115 | − 22 | 0 | 0 | 3 | 0 | 0·28 | −0·28 | 5·2 | −1·3 | 33 | 1010 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 70 | 36 | 63·6 | 47·8 | 55·1 | − 2·3 | 92 | − 16 | 0 | 0 | 2 | − 2 | 0·83 | +0·05 | 4·3 | −1·1 | 26 | 1009 |
| **7.** ENGLAND, N.W. ... ... | 70 | 42 | 63·3 | 51·1 | 56·8 | − 2·2 | 104 | − 15 | 0 | 0 | 4 | 0 | 0·80 | +0·02 | 4·6 | −0·8 | 29 | 1009 |
| **8.** ENGLAND, S.W. ... ... | 73 | 41 | 64·4 | 51·1 | 57·3 | − 2·7 | 107 | − 19 | 0 | 0 | 5 | + 2 | 1·33 | +0·57 | 4·7 | −1·3 | 30 | 1011 |
| **9.** IRELAND, NORTH ... | 72 | 45 | 61·9 | 50·6 | 55·8 | − 1·7 | 97 | − 11 | 0 | 0 | 5 | + 1 | 0·82 | +0·04 | 2·8 | −1·5 | 17 | 1009 |
| **10.** IRELAND, SOUTH ... | 75 | 41 | 63·7 | 51·3 | 57·1 | − 2·1 | 106 | − 15 | 0 | 0 | 6 | + 3 | 1·11 | +0·37 | 4·0 | −0·8 | 26 | 1011 |
| **11.** ENGLISH CHANNEL ... | 74 | 49 | 65·7 | 53·9 | 59·4 | − 2·2 | 122 | − 15 | 0 | 0 | 4 | + 1 | 0·58 | +0·02 | 5·4 | −2·0 | 35 | 1011 |

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 9 Weeks, May 31st to August 1st, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 81 | 37 | * | * | * | * | 795 | + 69 | 0 | − 4 | 34 | − 2 | 3·95 | −2·36 | 4·7 | 0·0 | 27 | 1014 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 88 | 30 | * | * | * | * | 890 | + 70 | 0 | − 3 | 26 | − 6 | 4·44 | −0·81 | 5·7 | 0·0 | 34 | 1014 |
| **2.** ENGLAND, N.E. ... ... | 85 | 33 | * | * | * | * | 997 | + 82 | 0 | 0 | 26 | − 2 | 6·18 | +1·90 | 6·1 | −0·2 | 37 | 1014 |
| **3.** ENGLAND, EAST ... | 87 | 38 | * | * | * | * | 1128 | + 92 | 0 | 0 | 26 | 0 | 4·03 | −0·39 | 6·8 | −0·1 | 42 | 1014 |
| **4.** MIDLAND COUNTIES ... | 88 | 35 | * | * | * | * | 1078 | + 60 | 0 | − 1 | 26 | − 1 | 6·05 | +1·48 | 6·0 | −0·2 | 37 | 1015 |
| **5.** ENGLAND, S.E. ... ... | 90 | 36 | * | * | * | * | 1126 | + 37 | 0 | 0 | 24 | 0 | 3·99 | −0·19 | 7·5 | +0·5 | 47 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 83 | 35 | * | * | * | * | 930 | + 50 | 0 | − 1 | 29 | − 3 | 3·86 | −2·65 | 5·8 | −0·3 | 34 | 1014 |
| **7.** ENGLAND, N.W. ... ... | 84 | 36 | * | * | * | * | 1004 | + 45 | 0 | 0 | 30 | 0 | 6·04 | +0·75 | 6·1 | −0·2 | 37 | 1015 |
| **8.** ENGLAND, S.W. ... ... | 86 | 34 | * | * | * | * | 1038 | + 24 | 0 | 0 | 34 | + 5 | 7·52 | +2·27 | 6·1 | −0·6 | 38 | 1015 |
| **9.** IRELAND, NORTH ... | 80 | 35 | * | * | * | * | 892 | + 7 | 0 | 0 | 35 | − 1 | 4·43 | −1·52 | 4·8 | −0·4 | 29 | 1015 |
| **10.** IRELAND, SOUTH ... | 81 | 39 | * | * | * | * | 1014 | + 32 | 0 | 0 | 34 | + 3 | 4·74 | −0·94 | 5·5 | −0·2 | 33 | 1016 |
| **11.** ENGLISH CHANNEL ... | 83 | 42 | * | * | * | * | 1075 | − 8 | 0 | 0 | 30 | + 1 | 4·71 | +0·45 | 6·7 | −1·3 | 42 | 1016 |

THE YEAR.—Aggregates, &c., for the Period of 30 Weeks, January 4th, 1914, to August 1st, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 81 | 16 | * | * | * | * | 1244 | +130 | 391 | −166 | 136 | 0 | 26·23 | −0·36 | 3·5 | −0·1 | 26 | 1008 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 1477 | +193 | 492 | −128 | 109 | − 3 | 16·37 | +0·34 | 4·3 | +0·1 | 33 | 1010 |
| **2.** ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 1719 | +325 | 299 | −176 | 101 | − 1 | 13·13 | +0·80 | 4·7 | +0·2 | 36 | 1012 |
| **3.** ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 1909 | +270 | 299 | −222 | 96 | − 3 | 12·60 | +0·32 | 5·2 | +0·4 | 40 | 1014 |
| **4.** MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 1874 | +225 | 367 | −166 | 100 | + 2 | 14·28 | +0·50 | 4·4 | +0·1 | 34 | 1014 |
| **5.** ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 1958 | +197 | 240 | −141 | 98 | + 5 | 15·80 | +2·47 | 5·5 | +0·7 | 42 | 1014 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 1523 | +127 | 317 | −108 | 124 | + 6 | 22·55 | −1·17 | 4·1 | −0·2 | 31 | 1010 |
| **7.** ENGLAND, N.W. ... ... | 84 | 22 | * | * | * | * | 1705 | +204 | 227 | −159 | 112 | + 4 | 18·20 | +1·12 | 4·5 | +0·1 | 34 | 1013 |
| **8.** ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 1861 | +171 | 192 | −109 | 119 | +13 | 24·19 | +5·34 | 4·8 | 0·0 | 37 | 1014 |
| **9.** IRELAND, NORTH ... | 80 | 25 | * | * | * | * | 1570 | +102 | 246 | − 99 | 134 | + 6 | 20·42 | +1·06 | 3·9 | −0·1 | 30 | 1011 |
| **10.** IRELAND, SOUTH ... | 81 | 24 | * | * | * | * | 1856 | +142 | 174 | − 85 | 131 | +17 | 21·57 | +0·96 | 4·4 | −0·1 | 34 | 1013 |
| **11.** ENGLISH CHANNEL ... | 83 | 25 | * | * | * | * | 2074 | +167 | 72 | − 37 | 113 | 0 | 18·09 | +2·41 | 5·4 | −0·3 | 42 | 1015 |

M.O., August 5, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.: or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH: or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 31. THIRTY-FIRST WEEK, SUNDAY, AUGUST 2ND, TO SATURDAY, AUGUST 8TH, 1914.

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## I.—Remarks on Wind and Weather.

The main wind current, determined by a depression whose centre hovered between the British Islands and Iceland, was between South and South-West, and the force generally light or moderate. It varied somewhat in England, however, on Wednesday, when a secondary disturbance travelled from the south-western counties to the North Sea. These winds from the South-Westward brought a rather low day temperature, and a good deal of rain. In Ireland and in most parts of Great Britain there was a measurable quantity nearly every day. The rainfall was occasionally heavy over a considerable area. On the 2nd there was 1·18 in. at Manchester, 1·02 in. at Nairn, and 1·54 in. at Balmoral; on the 4th 1·01 in. at Salisbury and Weymouth; on the 7th 1·02 in. at Valencia. On the 8th there was more than an inch at several stations in the south-west of Scotland and the north-west of England, the heaviest falls being about 1·35 in. at Lancaster, Crieff, and Bettws-y-Coed, and 1·45 in. at Aspatria. Thunderstorms occurred at Dublin, and, locally, on the east coast of England, on the 2nd, and in various parts of southern England, and also at Crathes on the 5th.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Deficient | Moderate | Moderate | Deficient | Deficient | Moderate | Moderate | Deficient | Moderate | Deficient | Deficient |
| | Rainfall ... | Heavy | Very heavy | Moderate | Heavy | Moderate | Heavy | Very heavy | Heavy | Heavy | Heavy | Heavy | Heavy |
| | Sunshine ... | Moderate | Scanty | Scanty | Moderate | Scanty | Moderate | Scanty | Moderate | Moderate | Moderate | Moderate | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 10 weeks from May 31st, 1914. | Warmth ... | 3 * 0 | 4 * 3 | 4 * 1 | 4 * 1 | 3 * 2 | 3 * 2 | 4 * 2 | 3 * 1 | 3 * 2 | 3 * 1 | 1 * 2 | 2 * 3 |
| | Rainfall ... | 2 * 3 | 2 * 2 | 3 * 3 | 3 * 2 | 3 * 2 | 2 * 2 | 1 * 5 | 4 * 1 | 5 * 2 | 1 * 5 | 3 * 2 | 6 * 2 |
| | Sunshine ... | 3 * 2 | 2 * 3 | 2 * 5 | 3 * 3 | 3 * 5 | 3 * 2 | 1 * 4 | 3 * 4 | 1 * 5 | 2 * 3 | 2 * 3 | 0 * 6 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| | Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| | Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| | Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3 * 1 | 6 * 0 | 8 * 1 | 8 * 2 | 6 * 1 | 7 * 1 | 5 * 3 | 5 * 1 | 8 * 1 | 6 * 3 | 6 * 2 | 9 * 1 |
| | Rainfall ... | 5 * 2 | 5 * 5 | 4 * 6 | 4 * 5 | 4 * 5 | 5 * 4 | 6 * 4 | 4 * 5 | 7 * 6 | 5 * 5 | 4 * 6 | 6 * 5 |
| | Sunshine ... | 4 * 4 | 4 * 2 | 3 * 2 | 6 * 5 | 4 * 5 | 4 * 1 | 4 * 2 | 4 * 2 | 4 * 2 | 4 * 4 | 4 * 4 | 4 * 4 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued with the Statistical Tables for next week.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(2147—19.) Wt. 229—611. 450. 8/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | **Temperature of the Air.** In Degrees Fahrenheit. | | | | | | | | | **Rainfall.** | | | **Bright Sunshine.** Hours per Day. | | | **Ground Temperature.** | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Mean for the Week. Of Lowest each day. | Mean for the Week. For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Accumulated Heat for the Week (in Day degrees). Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day-° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | *31* | | | | | | | | | | | | | | | | | | | | | | | *Baltasound.* |
| *a*, Islands.. *p Baltasound* | 54 | 61 | 6th | 51 | 8th | 58·4 | 53·3 | 55·7 | + 3·4 | 96 | 0 | 6 | 0·79 | — | 6·0 | + 1·8 | 37 | • | • | • | • | • | • | Deerness. |
| *a Lerwick* | 51 | 61 | 2,3 | 49 | 8th | 59·1 | 51·6 | 55·1 | + 1·0 | 92 | 0 | 7 | 1·54 | + 0·71 | 3·1 | - 1·4 | 19 | • | • | • | • | • | • | Stornoway. |
| *a Stornoway* | *37* | *61* | *2nd* | *51* | *4,5,7* | *57·4* | *52·3* | *54·7* | *+ 0·2* | *89* | *0* | *7* | *1·73* | — | *3·0* | — | *19* | • | • | • | • | • | • | *Castlebay.* |
| *a Castlebay, Barra Isd.* | | | | | | | | | | | | | | | | | | | | | | | | |
| *b*, Mainland. *a Wick* | 81 | 64 | 7th | 45 | 7th | 58·9 | 50·1 | 54·2 | - 0·2 | 85 | 0 | 6 | 1·00 | + 0·35 | • | • | • | • | • | • | • | • | • | |
| *p Strathpeffer* | 200 | 67 | 8th | 44 | 8th | 63·0 | 49·1 | 55·6 | - 0·1 | 95 | 0 | 6 | 0·87 | + 0·26 | 2·0 | - 2·0 | 12 | • | • | • | • | • | • | Strathpeffer. |
| *p Glencarron* | 500 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *p Fort Augustus* | 68 | 63 | 3rd | 46 | 8th | 60·6 | 50·9 | 55·5 | - 0·4 | 95 | 0 | 7 | 1·17 | + 0·42 | 1·0 | - 2·1 | 6 | • | • | • | • | • | • | Fort Augustus. |
| *p Fort William* | 175 | 64 | 7th | 48 | 8th | 59 1 | 50·4 | 54·5 | - 1·9 | 88 | 0 | 7 | 3·14 | + 1·84 | • | • | • | • | • | • | • | • | • | |
| | | | | | | | | | | | | | | | 2·6 | — | 16 | 0 | 33 | 57·7 | -1·3 | 56·2 | +1·1 | Crathes S. |
| **1.** SCOTLAND, E. *p Gordon Castle* | 101 | 69 | 5th | 44 | 8th | 65·3 | 49·6 | 57·0 | + 0·5 | 105 | 0 | 6 | 1·53 | + 0·73 | *3·3* | — | *21* | • | • | • | • | • | • | *Gordon Castle.* |
| *a Nairn* | 82 | 67 | 3rd | 43 | 8th | 63·6 | 49·3 | 56·0 | - 0·4 | 98 | 0 | 6 | 1·28 | + 0·72 | 3·4 | — | 21 | • | • | • | • | • | • | Nairn. |
| *a Aberdeen* | 46 | 66 | 7th | 43 | 8th | 61·3 | 48·7 | 54·6 | - 1·6 | 88 | 0 | 5 | 1·10 | + 0·46 | 3·5 | - 1·6 | 22 | • | • | • | • | 54·7 | +1·0 | Aberdeen. |
| *a Balmoral* | 930 | 71 | 5, 7 | 37 | 8th | 66·6 | 43·1 | 54·2 | + 0·5 | 85 | 0 | 5 | 1·92 | + 1·19 | • | • | • | 0 | 34 | • | • | • | • | Balmoral. |
| *p Crieff* | 432 | 63 | 5th | 45 | 7, 8 | 59·0 | 48·4 | 53·4 | - 4·2 | 80 | 0 | 7 | 2·75 | + 1·94 | 2·4 | — | 15 | • | • | • | • | • | • | Balruddery. |
| *a Leith* | 18 | 66 | 8th | 48 | 8th | 63·1 | 52·0 | 57·2 | - 1·0 | 106 | 0 | 5 | 0·63 | - 0·00 | • | • | • | • | • | • | • | • | • | |
| *a West Linton* | 800 | 62 | 3rd | 38 | 8th | 59·9 | 44·7 | 51·8 | - 3·3 | 69 | 0 | 7 | 1·35 | — | *2·9* | — | *18* | • | • | • | • | • | • | *West Linton.* |
| *p Marchmont* | 498 | 67 | 5th | 44 | 7, 8 | 63·6 | 47·6 | 55·1 | - 1·0 | 92 | 0 | 4 | 0·75 | - 0·02 | 4·8 | - 0·3 | 30 | 0 | 41 | • | • | • | • | Marchmont. |
| *a Edinburgh* | *441* | *64* | *7, 8* | *50* | *4, 6, 7* | *61·6* | *51·7* | *56·4* | — | *101* | *0* | *5* | *0·52* | — | 2·6 | — | 16 | 0 | 40 | • | • | • | • | Edinburgh. |
| **6.** *a*, SCOTLAND, W. *a Poltalloch* | 132 | 60 | 5, 7 | 47 | 2, 8 | 58·7 | 49·6 | 53·9 | - 3·4 | 83 | 0 | 7 | 2·88 | + 1·89 | • | • | • | • | • | • | • | • | • | |
| *p Glasgow Observatory* | 180 | 62 | 7, 8 | 49 | 8th | 60·9 | 51·4 | 55·9 | - 1·0 | 97 | 0 | 7 | 1·83 | + 1·02 | 1·7 | - 2·7 | 11 | 0 | 42 | • | • | • | • | Glasgow. |
| *p Rothesay* | 90 | 63 | 2, 5 | 47 | 8th | 60·6 | 50·1 | 55·0 | - 2·2 | 91 | 0 | 7 | 3·74 | + 2·73 | *2·0* | — | *13* | 0 | 44 | 58·6 | • | 55·5 | +0·6 | *Rothesay.* |
| *a Kilmarnock* | 90 | 63 | 2nd | 48 | 7, 8 | 61·6 | 50·9 | 55·9 | - 1·5 | 97 | 0 | 7 | 1·76 | — | *1·9* | — | *12* | • | • | • | • | • | • | *Kilmarnock.* |
| *a Colmonell* | 150 | 64 | 2nd | 50 | 8th | 62·0 | 52·0 | 56·7 | - 0·5 | 103 | 0 | 7 | 2·29 | + 1·46 | • | • | • | 0 | 46 | • | • | • | • | |
| *p Dumfries* | 160 | 64 | 2nd | 47 | 8th | 62·3 | 51·6 | 56·6 | - 1·6 | 102 | 0 | 7 | 1·18 | + 0·38 | *3·2* | — | *20* | 0 | 43 | 59·1 | • | 58·5 | • | *Dumfries.* |
| *p Cally, Gatehouse* | 120 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *b*, I. OF MAN. *p Douglas* | 277 | 64 | 2, 6 | 51 | 5, 7 | 62·4 | 52·4 | 57·1 | + 0·1 | 106 | 0 | 6 | 1·06 | + 0·24 | 5·1 | - 0·9 | 33 | 0 | 48 | • | • | • | • | Douglas. |
| **2.** ENGLAND, N.E. *a Alnwick Castle* | 210 | 68 | 8th | 45 | 8th | 66·3 | 50·3 | 57·8 | + 0·8 | 111 | 0 | 5 | 0·54 | - 0·11 | 4·8 | — | 30 | 0 | 37 | 56·8 | -2·2 | 56·0 | +0·3 | Cockle Park. |
| *a Tynemouth* | 96 | 66 | 8th | 49 | 8th | 64·0 | 52·4 | 57·9 | + 0·2 | 111 | 0 | 4 | 0·87 | + 0·27 | *4·9* | — | *31* | • | • | • | • | • | • | *Tynemouth.* |
| *p Durham* | 336 | 66 | 8th | 45 | 8th | 64·3 | 48·8 | 56·1 | - 2·1 | 99 | 0 | 3 | 0·74 | + 0·12 | 4·5 | - 0·6 | 29 | 0 | 40 | • | • | • | • | Durham. |
| *a*, North.. *p Rounton* | 249 | 68 | 2nd | 44 | 8th | 65·4 | 48·8 | 56·6 | - 1·0 | 102 | 0 | 4 | 0·40 | - 0·25 | • | • | • | 0 | 40 | 59·2 | • | • | • | Rounton. |
| *a West Witton* | *605* | *66* | *5, 8* | *45* | *5th* | *63·9* | *50·1* | *56·6* | — | *102* | *0* | *4* | *0·78* | — | • | • | • | 0 | 40 | 58·8 | • | 55·3 | • | *West Witton.* |
| *p Scarborough* | 100 | 69 | 2, 3 | 50 | 8th | 66·9 | 52·9 | 59·5 | + 1·0 | 123 | 0 | 3 | 0·51 | - 0·07 | 4·8 | — | 31 | • | • | • | • | 59·5† | • | Scarborough. |
| *p York* | 56 | 68 | 2nd | 46 | 8th | 66·4 | 51·1 | 58·3 | - 1·1 | 114 | 0 | 5 | 0·41 | - 0·17 | 3·0 | - 2·4 | 19 | • | • | 60·2 | +0·4 | 58·2 | +1·7 | York. |
| | | | | | | | | | | | | | | | *1·6* | — | *10* | 0 | 40 | 58·4 | -2·6 | 57·0 | +1·5 | *Hull.* |
| *b*, South.. *a Spurn Head* | 26 | 72 | 3, 4 | 53 | 3-6, 8 | 68·3 | 54·0 | 60·7 | + 1·3 | 131 | 0 | 3 | 0·39 | - 0·04 | *3·7* | — | *24* | • | • | • | • | • | • | *Spurn Head.* |
| *a Lincoln* | 58 | 72 | 2nd | 46 | 8th | 67·4 | 51·3 | 58·9 | - 1·2 | 118 | 0 | 5 | 0·53 | 0·00 | • | • | • | • | • | 60·6 | -1·4 | 59·1 | +2·0 | Lincoln. |
| *a Fulbeck* | 180 | 70 | 2nd | 46 | 8th | 66·9 | 51·4 | 58·7 | - 1·4 | 117 | 0 | 7 | 0·82 | + 0·28 | 3·8 | — | 25 | 0 | 45 | 61·6 | -2·8 | 58·4 | +0·1 | Rauceby. |
| | | | | | | | | | | | | | | | 5·1 | — | 33 | • | • | • | • | • | • | Skegness. |
| | | | | | | | | | | | | | | | *6·6* | • | *43* | 0 | 44 | 63·1 | -1·3 | 60·4 | +0·6 | *Lowestoft.* |
| **3.** ENGLAND, E. *p Cromer* | 196 | 75 | 2nd | 50 | 8th | 67·3 | 52·7 | 59·6 | - 0·6 | 123 | 0 | 6 | 1·14 | — | 5·6 | — | 36 | 0 | 44 | • | • | • | • | Cromer. |
| *p Little Massingham* | 280 | 73 | 2nd | 46 | 8th | 67·4 | 50·9 | 58·7 | - 1·5 | 117 | 0 | 6 | 1·15 | + 0·50 | 4·7 | - 1·5 | 31 | 0 | 44 | • | • | • | • | Lit. Massingham. |
| *a*, North.. *a Yarmouth* | 17 | 74 | 2nd | 47 | 8th | 69·3 | 52·1 | 60·2 | - 0·2 | 127 | 0 | 3 | 0·24 | - 0·30 | 6·6 | — | 43 | 0 | • | 63·7 | -2·7 | 61·0 | -0·6 | Yarmouth. |
| *a Norwich* | 93 | 75 | 2nd | 45 | 8th | 69·9 | 51·9 | 60·4 | 0·0 | 129 | 0 | 4 | 0·35 | — | *5·9* | — | *38* | 0 | 42 | 62·1 | • | • | • | *Norwich.* |
| *a Geldeston* | 37 | 75 | 2nd | 44 | 8th | 70·1 | 51·9 | 60·5 | + 0·6 | 130 | 0 | 3 | 0·25 | - 0·26 | 5·4 | - 1·3 | 35 | • | • | • | • | • | • | Geldeston. |
| | | | | | | | | | | | | | | | *3·9* | — | *25* | 0 | 39 | 59·2 | -2·9 | 56·5 | +0·5 | *Huddersfield.* |
| **4.** MIDLAND COUNTIES. *a Harrogate* | 476 | 66 | 3, 8 | 46 | 8th | 64·0 | 50·0 | 56·6 | - 1·0 | 102 | 0 | 4 | 0·35 | - 0·23 | 4·6 | — | 30 | 0 | 40 | 57·7 | 0·0 | 57·2 | +1·4 | Harrogate. |
| *a Bawtry* | 65 | 68 | 3, 4, 8 | 43 | 8th | 66·4 | 50·0 | 57·7 | - 2·0 | 110 | 0 | 4 | 0·23 | - 0·31 | 2·5 | - 2·6 | 16 | 0 | 37 | 59·0 | • | 57·8 | • | Worksop. |
| *p Buxton* | *987* | *67* | *8th* | *41* | *8th* | *62·7* | *47·9* | *54·9* | *- 1·8* | *99* | *0* | *6* | *1·51* | *+ 0·55* | *2·7* | — | *18* | 0 | 37 | 56·5 | -3·4 | 56·7 | +2·5 | *Buxton.* |
| *a*, East.. *a Nottingham* | 82 | 69 | 4th | 44 | 8th | 65·7 | 49·3 | 57·0 | - 3·1 | 105 | 0 | 6 | 0·91 | + 0·37 | 2·9 | — | 19 | 0 | 40 | 60·0 | -2·3 | 59·2 | +0·6 | Nottingham. |
| *p Birmingham, Edgbsn.* | 535 | 66 | 3rd | 48 | 8th | 64·3 | 51·3 | 57·4 | - 1·8 | 108 | 0 | 5 | 1·13 | + 0·58 | 3·3 | — | 21 | 0 | 37 | 55·8 | -1·5 | 53·9 | +0·7 | Birmingham. |
| *a Raunds* | 203 | 73 | 3, 4 | 44 | 8th | 69·6 | 48·7 | 58·5 | - 2·4 | 116 | 0 | 5 | 0·95 | — | *5·1* | — | *33* | 0 | 38 | 62·2 | • | 58·0 | • | *Raunds.* |
| *p Oxford* | 208 | 70 | 4th | 50 | 4, 7, 8 | 66·4 | 52·3 | 58·9 | - 2·3 | 118 | 0 | 7 | 0·82 | + 0·29 | 4·1 | - 2·2 | 27 | 0 | 43 | • | • | • | • | Oxford. |
| | | | | | | | | | | | | | | | 3·0 | — | 19 | 0 | 40 | 58·6 | -1·6 | 56·3 | +1·0 | Sheffield. |
| *a Cheadle* | 646 | 66 | 3rd | 46 | 8th | 63·7 | 49·1 | 56·0 | - 1·7 | 98 | 0 | 5 | 1·33 | + 0·63 | • | • | • | 0 | 46 | • | • | • | • | Cheadle. |
| *p Shrewsbury* | 191 | 69 | 3, 7, 8 | 45 | 8th | 67·6 | 50·4 | 58·5 | - 0·7 | 116 | 0 | 6 | 0·46 | — | • | • | • | 0 | 46 | • | • | • | • | Shrewsbury. |
| *b*, West.. *a Hereford§* | 291 | 69 | 3rd | 42 | 7th | 66·9 | 49·4 | 57·6 | - 2·4 | 109 | 0 | 5 | 0·26 | - 0·27 | *4·5* | — | *29* | 0 | 39 | 61·1 | • | 60·4 | • | *Malvern.§* |
| *a Cirencester* | 446 | 72 | 3rd | 47 | 8th | 65·6 | 50·4 | 57·5 | - 1·4 | 109 | 0 | 7 | 0·58 | - 0·05 | 3·2 | - 3·1 | 21 | 0 | 41 | 59·5 | • | 57·9 | • | Cirencester. |
| *a Bath* | 66 | 68 | 2nd | 47 | 4, 8 | 66·0 | 52·0 | 58·6 | - 1·8 | 116 | 0 | 7 | 0·63 | + 0·03 | 4·3 | — | 28 | • | • | • | • | • | • | Bath. |
| | | | | | | | | | | | | | | | • | • | • | 0 | 43 | 66·1 | +3·3 | 60·6 | -0·2 | Canterbury. |
| **5.** ENGLAND, S.E. *p Kew* | 18 | 69 | 2nd | 48 | 8th | 67·0 | 53·1 | 59·6 | - 1·9 | 123 | 0 | 6 | 1·22 | + 0·71 | 3·8 | - 2·7 | 25 | 0 | 40 | 60·9 | -2·1 | 58·9 | +0·5 | Kew. |
| *a Marlborough* | 424 | 68 | 2nd | 42 | 8th | 65·3 | 49·3 | 56·8 | - 2·6 | 104 | 0 | 6 | 1·43 | + 0·89 | 3·3 | - 2·7 | 22 | 0 | 39 | 60·5 | • | 58·0 | • | Marlborough. |
| *a Margate* | 35 | 73 | 2nd | 51 | 7th | 69·5 | 54·4 | 61·5 | - 0·5 | 137 | 0 | 3 | 0·13 | - 0·32 | 6·3 | - 0·3 | 41 | 0 | 49 | 63·8 | +0·6 | 60·9 | +1·7 | Margate. |
| *a Wisley, Surrey* | 150 | 71 | 2nd | 46 | 8th | 67·7 | 51·3 | 59·0 | - 2·9 | 119 | 0 | 6 | 0·79 | — | 4·6 | — | 30 | 0 | 38 | 61·5 | -2·1 | 59·4 | -0·6 | Wisley. |
| | | | | | | | | | | | | | | | 6·9 | — | 46 | 0 | 46 | 63·9 | -1·1 | 60·8 | +0·5 | Worthing. |
| | | | | | | | | | | | | | | | • | • | • | 0 | 43 | 62·6 | • | • | • | Salisbury. |
| *p Salisbury (Wilton)* | 180 | 68 | 2, 3 | 45 | 8th | 66·1 | 50·6 | 57·9 | - 3·4 | 111 | 0 | 7 | 2·07 | + 1·54 | 5·7 | - 0·9 | 37 | 0 | 38 | 61·5 | -3·3 | 59·3 | • | Tunbridge Wells. |
| *a Tunbridge Wells* | 418 | 69 | 2nd | 47 | 8th | 67·7 | 51·3 | 59·0 | - 1·3 | 119 | 0 | 5 | 0·31 | - 0·19 | 7·2 | — | 48 | • | • | • | • | • | • | Littlestone. |
| *a Dungeness* | 21 | 69 | 2nd | 50 | 8th | 66·1 | 56·4 | 61·0 | - 0·1 | 133 | 0 | 4 | 0·80 | + 0·38 | *6·3* | *- 1·2* | *42* | 0 | 46 | 64·9 | • | 61·1 | • | *Hastings.* |
| *p Hastings* | 178 | 68 | 2, 6 | 53 | 8th | 66·9 | 56·3 | 61·3 | 0·0 | 135 | 0 | 4 | 0·35 | - 0·18 | 5·5 | - 1·6 | 36 | 0 | 47 | • | • | • | • | Southampton. |
| *p Southampton* | 65 | 68 | 2, 3, 7 | 51 | 6, 7 | 66·3 | 53·9 | 59·7 | - 2·8 | 124 | 0 | 7 | 1·04 | + 0·48 | 5·5 | - 1·4 | 36 | • | • | • | • | • | • | Ventnor. |
| *a Ventnor* | 80 | 68 | 5, 7 | 55 | 7th | 66·0 | 56·9 | 61·2 | - 1·1 | 134 | 0 | 6 | 0·25 | - 0·22 | 5·5 | - 1·4 | 36 | • | • | • | • | • | • | |
| | | | | | | | | | | | | | | | *6·9* | — | *40* | 0 | 48 | 63·8 | -2·2 | 61·6 | 0·0 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 7·3 | - 0·1 | 48 | • | • | 63·7 | • | 61·1 | • | Eastbourne. |
| | | | | | | | | | | | | | | | *5·7* | — | *38* | • | • | 62·1 | • | 61·2 | • | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | *6·2* | *- 1·2* | *41* | 0 | 48 | • | • | 61·9 | • | *Brighton.* |
| *a Westminster* | *27* | *70* | *2nd* | *49* | *8th* | *67·9* | *53·5* | *60·3* | *- 1·5* | *128* | *0* | *5* | *0·89* | *+ 0·37* | *3·4* | *- 2·3* | *22* | 0 | 43 | • | • | • | • | *Westminster.* |
| *a Greenwich* | *155* | *73* | *2nd* | *46* | *8th* | *70·7* | *51·7* | *60·6* | *- 2·5* | *130* | *0* | *5* | *0·72* | *+ 0·20* | *4·3* | *- 3·2* | *28* | 0 | 39 | • | • | • | • | *Greenwich.* |
| *a Hampstead* | *450* | *68* | *2nd* | *49* | *8th* | *65·7* | *52·2* | *58·6* | — | *116* | *0* | *5* | *1·12* | — | *3·1* | — | *20* | 0 | 39 | • | • | • | • | *Hampstead.* |
| *a Camden Square* | *120* | *74* | *2nd* | *47* | *8th* | *70·9* | *53·0* | *61·4* | — | *136* | *0* | *5* | *0·83* | — | *3·4* | — | *22* | 0 | 43 | • | • | • | • | *Camden Square.* |
| | | | | | | | | | | | | | | | *4·7* | — | *30* | 0 | 38 | 57·6 | -1·8 | 55·8 | +0·6 | *Burnley.* |
| | | | | | | | | | | | | | | | 6·0 | — | 39 | • | • | • | • | • | • | Hoylake. |
| **7.** *a*, ENGLAND, N.W. *p Aspatria* | 250 | 63 | 7th | 52 | 3-8 | 61·6 | 52·4 | 56·7 | 0·0 | 103 | 0 | 7 | 2·50 | + 1·57 | 3·0 | — | 19 | 0 | 48 | 58·6 | • | 55·3 | • | Aspatria. |
| *p Newton Rigg* | 559 | 64 | 5, 8 | 46 | 8th | 62·4 | 50·1 | 55·9 | - 0·6 | 97 | 0 | 5 | 0·77 | + 0·04 | 4·2 | - 1·1 | 27 | 0 | 38 | 59·1 | -1·2 | 56·1 | +0·1 | Newton Rigg. |
| *p Stonyhurst* | 375 | 66 | 8th | 46 | 5th | 63·3 | 50·4 | 56·5 | - 1·4 | 102 | 0 | 5 | 1·10 | + 0·10 | 5·6 | + 0·3 | 36 | 0 | 34 | • | • | • | • | Stonyhurst. |
| *p Blackpool* | 66 | 66 | 8th | 49 | 5, 8 | 63·4 | 54·0 | 58·4 | - 0·5 | 115 | 0 | 6 | 1·16 | + 0·43 | 6·5 | + 0·8 | 42 | 0 | 45 | 59·9 | • | 56·4 | • | Blackpool. |
| *a Southport* | *37* | *66* | *3, 6, 8* | *49* | *8th* | *64·3* | *54·3* | *59·0* | — | *119* | *0* | *6* | *1·01* | — | *6·9* | *+ 0·9* | *44* | 0 | 43 | 63·3 | -0·6 | 61·1 | +0·7 | *Southport.* |
| *a* Liverpool (Bidston) | 188 | 68 | 6th | 49 | 8th | 65·1 | 52·7 | 58·5 | - 0·7 | 116 | 0 | 4 | 0·51 | - 0·13 | *6·1* | — | *39* | • | • | • | • | • | • | *Liverpool.* |
| *a Hawarden Bridge* | *23* | *69* | *6th* | *46* | *5th* | *65·6* | *51·7* | *58·2* | *- 1·9* | *113* | *0* | *6* | *0·47* | *- 0·10* | *3·3* | *- 2·7* | *21* | 0 | 42 | 60·7 | -0·7 | 60·6 | +2·2 | *Manchester (City).* |
| *p Manchester (Whit. Pk.)* | 125 | 68 | 3, 4 | 49 | 8th | 65·9 | 52·4 | 58·8 | - 0·8 | 118 | 0 | 5 | 0·90 | + 0·28 | *3·1* | *- 1·6* | *20* | • | • | • | • | • | • | *Whit. Park.* |
| *b* NORTH WALES. *p Llandudno* | 71 | 67 | 4th | 52 | 5, 8 | 65·9 | 54·6 | 59·9 | + 0·4 | 125 | 0 | 2 | 0·13 | - 0·44 | 6·5 | + 0·8 | 42 | • | • | • | • | • | • | Llandudno. |
| *a Holyhead* | 57 | 65 | 6th | 54 | 4, 5 | 63·4 | 55·0 | 59·0 | + 0·8 | 119 | 0 | 5 | 0·96 | + 0·33 | *5·4* | — | *35* | • | • | • | • | • | • | *Holyhead.* |
| *Bettws-y-Coed* | *101* | *68* | *5, 6* | *47* | *5th* | *65·7* | *51·7* | *58·3* | *- 0·6* | *114* | *0* | *5* | *1·77* | — | *5·7* | — | *37* | • | • | 57·4 | -1·0 | 55·0 | 0·0 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 6·3 | — | 41 | • | • | • | • | • | • | Aberdovey. |

* For note see also opposite page. † At 3 ft. ‖ Hoar frost. § The temperature on the grass refers to Hereford

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Llangammarch Wells | 550 | 65 | 6th | 42 | 8th | 63·3 | 50·1 | 56·3 | - 1·3 | 100 | 0 | 6 | 1·53 | — | 3·8 | — | 25 | 0 | 37 | 58·6 | 0·0 | 55·4 | +0·3 | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 62 | 3, 4 | 54 | 5th | 60·7 | 55·1 | 57·7 | - 0·8 | 110 | 0 | 4 | 0·67 | + 0·07 | 7·6 | + 1·2 | 50 | * | * | * | * | * | * | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 67 | 8th | 50 | 8th | 64·9 | 53·3 | 58·8 | - 1·8 | 118 | 0 | 6 | 1·00 | + 0·15 | *5·9* | — | *39* | 0 | 46 | 61·5 | -0·2 | 59·1 | +0·3 | Pembroke. |
| | | | | | | | | | | | | | | | | | | | | | | | | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 67 | 4th | 43 | 5th | 65·3 | 52·7 | 58·6 | - 3·0 | 116 | 0 | 7 | 0·51 | - 0·19 | *4·8* | — | *31* | 0 | 49 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 66 | 2nd | 47 | 7th | 63·4 | 49·7 | 56·1 | - 3·4 | 99 | 0 | 6 | 1·42 | + 0·79 | * | * | * | * | * | 59·8 | * | 59·0 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 65 | 4th | 49 | 8th | 63·1 | 51·0 | 56·7 | - 1·4 | 103 | 0 | 6 | 1·62 | + 0·62 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *66* | *8th* | *52* | *8th* | *63·3* | *54·0* | *58·4* | *- 2·3* | *115* | *0* | *6* | *1·09* | *+ 0·57* | 7·1 | + 0·3 | 47 | 0 | 48 | 62·1 | * | 58·9 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 69 | 2nd | 46 | 8th | 66·9 | 51·1 | 58·5 | - 1·6 | 116 | 0 | 7 | 1·02 | + 0·35 | 4·1 | - 1·9 | 27 | 0 | 42 | 61·8 | * | * | * | Cullompton. |
| *a* Portland .. .. | 19 | 63 | 5, 7, 8 | 56 | 3, 4, 5 | 62·1 | 57·0 | 59·4 | - 1·1 | 122 | 0 | 5 | 1·14 | — | *6·6* | — | *44* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 66 | 7th | 52 | 4, 7 | 64·3 | 54·9 | 59·3 | - 1·7 | 121 | 0 | 6 | 0·43 | - 0·21 | 6·4 | - 0·2 | 42 | 0 | 45 | 62·8 | -3·2 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 65 | 2, 3 | 51 | 4th | 64·3 | 53·6 | 58·6 | - 1·6 | 116 | 0 | 5 | 1·04 | + 0·34 | 6·3 | - 0·9 | 42 | 0 | 47 | 63·9 | * | 61·5 | * | Falmouth. |
| **9.** IRELAND. N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. *a* Malin Head .. .. | 208 | 62 | 8th | 50 | 8th | 59·4 | 52·0 | 55·5 | - 0·9 | 95 | 0 | 7 | 1·26 | + 0·53 | 3·5 | * | 22 | * | * | * | * | * | * | * * |
| *a* Blacksod Point .. | 37 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | * * |
| *p* Markree Castle .. | 122 | 66 | 7th | 49 | 4, 7 | 62·3 | 50·3 | 55·9 | - 0·8 | 97 | 0 | 7 | 1·25 | + 0·38 | 3·4 | - 0·7 | 22 | 0 | 45 | 59·4 | * | 56·5 | * | Markree Castle. |
| *a* Birr Castle .. | 175 | 67 | 8th | 49 | 4, 5 | 64·3 | 50·7 | 57·1 | - 1·1 | 106 | 0 | 7 | 0·98 | + 0·22 | *5·3* | *+ 0·8* | *34* | * | * | * | * | * | * | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 68 | 2nd | 48 | 5, 7 | 64·3 | 50·9 | 57·2 | - 0·2 | 106 | 0 | 6 | 1·31 | + 0·51 | 4·2 | - 0·2 | 27 | 0 | 44 | 60·9 | -0·8 | 58·3 | +0·3 | Armagh. |
| *a* Donaghadee .. .. | 39 | 68 | 6th | 49 | 7th | 64·1 | 51·4 | 57·4 | - 0·3 | 108 | 0 | 6 | 1·22 | + 0·50 | * | * | * | * | * | * | * | * | * | * * |
| | | | | | | | | | | | | | | | * | * | * | 0 | 45 | 60·3 | -1·0 | 58·1 | 0·0 | *Trinity Coll.* |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 5·5 | + 0·1 | 36 | 0 | 45 | * | * | * | * | Phœnix Park. |
| *a*, East .. *p* Dublin, City .. .. | 47 | 70 | 8th | 50 | 5th | 65·3 | 53·3 | 58·9 | - 1·0 | 118 | 0 | 7 | 0·50 | - 0·16 | * | * | * | 0 | 47 | * | * | * | * | Dublin City. |
| *a* Kilkenny .. .. | 212 | 67 | 7, 8 | 44 | 5th | 65·6 | 49·4 | 57·0 | - 1·5 | 105 | 0 | 6 | 1·05 | + 0·36 | * | * | * | * | * | * | * | * | * | * * |
| *a* Waterford .. .. | 20 | 66 | 5, 6 | 48 | 2, 5 | 64·7 | 50·9 | 57·4 | - 1·9 | 108 | 0 | 6 | 1·41 | + 0·61 | * | * | * | * | * | * | * | * | * | * * |
| *a Seskin, Carrick-on-Suir* | *541* | *66* | *8th* | *46* | *5th* | *64·0* | *49·0* | *56·1* | — | *99* | *0* | *6* | *0·96* | — | *5·1* | * | *33* | 0 | 42 | * | * | * | * | *Seskin.* |
| *b*, West .. *a* Birr Castle .. .. | 175 | 67 | 8th | 49 | 4, 5 | 64·3 | 50·7 | 57·1 | - 1·1 | 106 | 0 | 7 | 0·98 | + 0·22 | 5·3 | + 0·8 | 34 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes .. .. | 50 | 65 | 7, 8 | 50 | 7th | 63·7 | 52·3 | 57·7 | - 1·0 | 110 | 0 | 7 | 1·53 | + 0·73 | * | * | * | * | * | * | * | * | * | * * |
| *a* Cahir .. .. | 198 | 70 | 3rd | 47 | 8th | 65·3 | 49·6 | 57·0 | - 1·8 | 105 | 0 | 7 | 1·12 | — | * | * | * | * | * | * | * | * | * | * * |
| *a* Killarney .. | 174 | 67 | 2, 8 | 50 | 2nd | 65·0 | 52·9 | 58·6 | + 0·1 | 116 | 0 | 6 | 1·14 | + 0·26 | * | * | * | * | * | * | * | * | * | * * |
| *a* Valencia .. .. | 30 | 62 | 4, 7, 8 | 52 | 7th | 61·1 | 53·7 | 57·2 | - 1·4 | 106 | 0 | 7 | 1·75 | + 0·75 | 4·9 | 0·0 | 32 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. | 32 | 65 | 5th | 51 | 3rd | 63·0 | 52·4 | 57·4 | - 1·7 | 108 | 0 | 6 | 1·42 | + 0·67 | 4·5 | — | 29 | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 64 | 3, 7 | 53 | 4, 7 | 63·0 | 54·0 | 58·2 | - 2·5 | 113 | 0 | 5 | 0·56 | + 0·02 | 6·1 | - 1·1 | 41 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 68 | 8th | 53 | 8th | 65·9 | 56·9 | 61·1 | - 1·5 | 134 | 0 | 7 | 1·98 | + 1·46 | 4·5 | - 3·4 | 80 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 71 | 8th | 54 | 4, 6-8 | 66·0 | 55·1 | 60·2 | - 1·2 | 127 | 0 | 4 | 0·54 | 0·00 | 6·3 | - 1·9 | 42 | 0 | 46 | 63·6 | -0·9 | 62·1 | +1·0 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 6·5 hrs. 43 %; Ramsgate, hrs. %; Rhyl, 6·5 hrs. 42 %; Salcombe, 7·1 hrs. 47 %; Tenby, 8·2 hrs. (+1·7) 54 %; Torquay, 6·1 hrs. (-0·9) 40 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Aug. 8th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | 49 | 48 | 48·7 | -4·0 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | 59 | 55 | 56·6 | +0·2 |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 64 | 60 | 62·1 | +6·1 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 55 | 51 | 52·7 | -1·9 |
| Scarborough .. .. | 60 | 56 | 57·8 | +0·5 |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 59 | 57 | 57·8 | -4·1 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 64 | 63 | 63·6 | -0·2 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 59 | 57 | 57·8 | +1·5 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 62 | 58 | 59·4 | — |
| Plymouth‡ .. .. | 60 | 60 | 59·9 | -1·0 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | — | — | — | — |
| Seafield .. .. | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, August 8th.

| DISTRICT AND STATION | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | — | — | 1§ | 138§ | SSE. 9 | 8th 14h. | 17 8th 13.40 |
| Aberdeen .. .. | 105 | — | — | — | — | 37 | 131 | S. by E. 8 | 3rd 12h. | 14 3rd 15.45 |
| Rosyth .. .. | 73 | — | — | — | — | 72 | 96 | SW. by W. 11 | 3rd 14h. | 19 3rd 14.20 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 3, 8 | 12 | 72 | 84 | S. by W. 13 | 8th 20h. | 20 8th 20.10 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 24 | 144 | SW. by S. 8 | 3rd 13h. | 19 3rd 12. 5 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 4 | 164 | SSE. 6 | 8th 11h. | 12 3rd 13.45 |
| South Shields .. | 61 | — | — | — | — | 37 | 131 | S. 9 | 8th 12h. | 14 3rd 16.50 |
| Spurn Head .. | 40 | — | — | 8th | 3 | 64 | 101 | S. by W. 12 | 8th 12h. | 18 2nd 14.15 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 2, 3, 8 | 14§ | 47§ | 78§ | — 14 | 2nd 12h. | 20 2nd 12.30 |
| Shoeburyness .. | 90 | — | — | — | — | 63 | 105 | — 10 | 8th 22h. | 16 2nd 10.25 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 2, 6 | 9§ | 85§ | 71§ | — 14 | 2nd 15h. | 20 2nd 14.20 |
| Warlingham .. | 33 | — | — | — | — | — | — | — — | — — | — — — |
| Brighton .. .. | 53 | — | — | 2nd | 2§ | 71§ | 81§ | — 11 | 2nd 15h. | 18 2nd 12.55 |
| Kew .. .. .. | 40 | — | — | [illegible] | — | 26 | 142 | SSW. 8 | 8th 19h. | 15 8th 18.55 |
| South Kensington | 92 | — | — | [illegible] | — | 6 | 162 | SW. by W. 6 | 2nd 13h. | 13 2nd 12.55 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | 3 | 165 | S. by E. 6 | 8th 11h. | 13 8th 11.45 |
| Southport .. .. | 62 | — | — | 2, 6 to 8 | 8 | 109 | 51 | WSW. 13 | 6th 15h. | 18 2nd 17.50 |
| Holyhead .. .. | 40 | — | — | 8th | 21 | 91 | 56 | S. by E. 14 | 8th 7h. | 20 8th 7.20 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | 8th | 3 | 2, 4, 6, 8 | 37 | 87 | 41 | SW. 18 | 8th 15h. | 22 8th 12. 0 |
| Plymouth .. .. | 86 | — | — | 6, 8 | 8 | 59 | 101 | — 12 | 6th 12h. | 16 6th 11.55 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 6th, 8th | 5§ | 121§ | 32§ | — 11 | 6th 9h. | 17 6th 6.20 |
| Weaver Pt. † .. | 30 | — | — | 8th | 13§ | 34§ | 109§ | — 13 | 8th 6h. | 19 8th 6.50 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | — | — | — | — | — — | — — | — — — |

† The Anemograph from Roches Point has been moved to Crosshaven Hill near Weaver Pt. on the W. of Cork Harbour.

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

## [Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

**THIRTY-FIRST WEEK**—August 2nd to August 8th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest. | Lowest. | Means of | | | | Accumulated Number of Day-Degrees. | | | | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | | | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | | | | | | | | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 67 | 44 | 59·9 | 50·9 | 55·1 | 0·0 | 92 | 0 | 0 | 0 | 7 | + 2 | 1·42 | +0·56 | 3·0 | −0·6 | 19 | 1000 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 71 | 37 | 62·8 | 47·9 | 54·9 | − 1·7 | 90 | − 13 | 0 | 0 | 6 | + 2 | 1·41 | +0·78 | 3·2 | −1·8 | 20 | 1002 |
| 2. ENGLAND, N.E. ... ... | 72 | 44 | 66·2 | 51·1 | 58·3 | − 0·4 | 114 | − 3 | 0 | 0 | 4 | + 1 | 0·58 | −0·11 | 4·3 | −1·3 | 28 | 1006 |
| 3. ENGLAND, EAST ... | 75 | 44 | 68·4 | 52·3 | 59·9 | − 0·6 | 125 | − 5 | 0 | 0 | 5 | + 2 | 0·74 | +0·25 | 5·0 | −1·2 | 33 | 1009 |
| 4. MIDLAND COUNTIES ... | 73 | 42 | 66·0 | 50·3 | 57·7 | − 2·1 | 110 | − 14 | 0 | 0 | 6 | + 3 | 0·70 | +0·14 | 3·5 | −2·1 | 23 | 1009 |
| 5. ENGLAND, S.E. ... ... | 73 | 42 | 66·9 | 53·4 | 59·7 | − 1·8 | 124 | − 12 | 0 | 0 | 5 | + 2 | 0·84 | +0·36 | 5·6 | −0·8 | 37 | 1011 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 64 | 47 | 61·2 | 51·1 | 55·9 | − 1·3 | 97 | − 9 | 0 | 0 | 7 | + 3 | 2·11 | +1·24 | 3·4 | −1·9 | 22 | 1004 |
| 7. ENGLAND, N.W. ... ... | 68 | 46 | 63·9 | 52·7 | 58·0 | − 1·0 | 112 | − 7 | 0 | 0 | 5 | + 2 | 1·00 | +0·22 | 5·4 | 0·0 | 35 | 1007 |
| 8. ENGLAND, S.W. ... ... | 69 | 42 | 63·8 | 52·9 | 58·0 | − 1·9 | 112 | − 13 | 0 | 0 | 6 | + 3 | 1·04 | +0·37 | 6·0 | −0·2 | 39 | 1009 |
| 9. IRELAND, NORTH ... | 68 | 48 | 62·9 | 51·1 | 56·6 | − 1·0 | 102 | − 7 | 0 | 0 | 7 | + 2 | 1·20 | +0·39 | 3·8 | −0·5 | 24 | 1003 |
| 10. IRELAND, SOUTH ... | 70 | 44 | 64·2 | 51·7 | 57·0 | − 2·2 | 105 | − 15 | 0 | 0 | 7 | + 3 | 1·21 | +0·40 | 5·1 | +0·1 | 33 | 1007 |
| 11. ENGLISH CHANNEL ... | 71 | 53 | 65·0 | 55·3 | 59·8 | − 1·9 | 125 | − 13 | 0 | 0 | 5 | + 2 | 1·03 | +0·50 | 5·6 | −2·4 | 38 | 1011 |

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 10 Weeks, May 31st to August 8th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 81 | 37 | * | * | * | * | 887 | + 69 | 0 | − 4 | 41 | 0 | 5·37 | −1·80 | 4·5 | −0·1 | 26 | 1012 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 30 | * | * | * | * | 980 | + 57 | 0 | − 3 | 32 | − 4 | 5·85 | −0·03 | 5·5 | −0·1 | 32 | 1013 |
| 2. ENGLAND, N.E. ... ... | 85 | 33 | * | * | * | * | 1111 | + 79 | 0 | 0 | 30 | − 1 | 6·76 | +1·79 | 5·9 | −0·3 | 36 | 1013 |
| 3. ENGLAND, EAST ... | 87 | 38 | * | * | * | * | 1253 | + 87 | 0 | 0 | 31 | + 2 | 4·77 | −0·14 | 6·7 | −0·1 | 41 | 1014 |
| 4. MIDLAND COUNTIES ... | 88 | 35 | * | * | * | * | 1188 | + 46 | 0 | − 1 | 32 | + 2 | 6·75 | +1·62 | 5·8 | −0·3 | 35 | 1014 |
| 5. ENGLAND, S.E. ... ... | 90 | 36 | * | * | * | * | 1250 | + 25 | 0 | 0 | 29 | + 2 | 4·83 | +0·17 | 7·3 | +0·3 | 45 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 35 | * | * | * | * | 1027 | + 41 | 0 | − 1 | 36 | 0 | 5·97 | −1·41 | 5·5 | −0·5 | 33 | 1013 |
| 7. ENGLAND, N.W. ... ... | 84 | 36 | * | * | * | * | 1116 | + 38 | 0 | 0 | 35 | + 2 | 7·04 | +0·97 | 6·1 | −0·1 | 37 | 1014 |
| 8. ENGLAND, S.W. ... ... | 86 | 34 | * | * | * | * | 1150 | + 11 | 0 | 0 | 40 | + 8 | 8·56 | +2·64 | 6·1 | −0·5 | 38 | 1015 |
| 9. IRELAND, NORTH ... | 80 | 35 | * | * | * | * | 994 | 0 | 0 | 0 | 42 | + 1 | 5·63 | −1·13 | 4·7 | −0·4 | 28 | 1014 |
| 10. IRELAND, SOUTH ... | 81 | 39 | * | * | * | * | 1119 | + 17 | 0 | 0 | 41 | + 6 | 5·95 | −0·54 | 5·4 | −0·2 | 34 | 1015 |
| 11. ENGLISH CHANNEL ... | 83 | 42 | * | * | * | * | 1200 | − 21 | 0 | 0 | 35 | + 3 | 5·74 | +0·95 | 6·6 | −1·4 | 42 | 1015 |

THE YEAR.—Aggregates, &c., for the Period of 31 Weeks, January 4th, 1914, to August 8th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 81 | 16 | * | * | * | * | 1336 | +130 | 391 | −166 | 143 | + 2 | 27·65 | +0·20 | 3·5 | −0·1 | 26 | 1008 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 1567 | +180 | 492 | −128 | 115 | − 1 | 17·78 | +1·12 | 4·3 | +0·1 | 32 | 1010 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 1833 | +322 | 299 | −176 | 105 | 0 | 13·71 | +0·69 | 4·6 | 0·0 | 35 | 1012 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 2034 | +265 | 299 | −222 | 101 | − 1 | 13·34 | +0·57 | 5·2 | +0·3 | 40 | 1014 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 1984 | +211 | 367 | −166 | 106 | + 5 | 14·98 | +0·64 | 4·4 | 0·0 | 34 | 1014 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 2082 | +185 | 240 | −141 | 103 | + 7 | 16·64 | +2·83 | 5·5 | +0·6 | 42 | 1014 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 1620 | +118 | 317 | −108 | 131 | + 9 | 24·66 | +0·07 | 4·1 | −0·3 | 31 | 1010 |
| 7. ENGLAND, N.W. ... ... | 84 | 22 | * | * | * | * | 1817 | +197 | 227 | −159 | 117 | + 6 | 19·20 | +1·34 | 4·5 | +0·1 | 34 | 1013 |
| 8. ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 1973 | +158 | 192 | −109 | 125 | +16 | 25·23 | +5·71 | 4·9 | +0·1 | 37 | 1014 |
| 9. IRELAND, NORTH ... | 80 | 25 | * | * | * | * | 1672 | + 95 | 246 | − 99 | 141 | + 8 | 21·62 | +1·45 | 3·9 | −0·1 | 29 | 1010 |
| 10. IRELAND, SOUTH ... | 81 | 24 | * | * | * | * | 1961 | +127 | 174 | − 85 | 138 | +20 | 22·78 | +1·36 | 4·5 | 0·0 | 34 | 1012 |
| 11. ENGLISH CHANNEL ... | 83 | 25 | * | * | * | * | 2199 | +154 | 72 | − 37 | 118 | + 2 | 19·12 | +2·91 | 5·4 | −0·4 | 42 | 1015 |

M.O., August 12, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.: or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH: or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN: or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 32. THIRTY-SECOND WEEK, SUNDAY, AUGUST 9TH, TO SATURDAY, AUGUST 15TH, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

In the early part of the week the weather over England was influenced by a large anticyclone which extended from the Azores region to Germany. Ireland and Scotland were affected to some extent by a depression lying to the north-westward of Scotland, and in those countries the South-Westerly winds were occasionally fresh or strong in force, and the weather changeable and showery. After the 10th the anticyclone extended northwards over the entire Kingdom, and fair weather became general, the South Westerly winds being gradually replaced by light breezes from East or South-East.

After the 13th a decided change was brought about by a depression which appeared off our extreme south-west coasts, and by a shallow secondary disturbance which advanced over England from the southward. These systems caused thunderstorms in the western and southern portions of the Kingdom and heavy rain in the south-west of England, and the south and east of Ireland. More than an inch of rain was registered on the 14th in many places, as much as 1·5 in. at Waterford, 1·6 in. at Carrick-on-Suir, and 1·8 in. at Kilkenny and Guernsey. Of the total of 1·78 in. at Guernsey, no less than 1·5 in. fell in 15 minutes. On the 15th, when a trough of low pressure lay over our southern districts the wind shifted temporarily to West over a considerable area. Local fogs and mists prevailed at times on our north-east and north-west coasts.

## THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Very unusual | Very unusual | Unusual | Unusual | Unusual | Unusual |
| | Rainfall ... | Moderate | Light | Very light | Light | Very light | Moderate | Very light | Very light | Moderate | Light | Moderate | Heavy |
| | Sunshine ... | Abundant | Very abundant | Very abundant | Abundant | Abundant | Abundant | Very abundant | Very abundant | Abundant | Very abundant | Very abundant | Moderate |

## THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 11 weeks from May 31st, 1914. | Warmth ... | 4·0 | 5·3 | 5·1 | 5·1 | 4·2 | 4·2 | 5·2 | 4·1 | 4·2 | 4·1 | 2·2 | 3·3 |
| | Rainfall ... | 2·3 | 2·3 | 3·4 | 3·3 | 3·3 | 2·2 | 1·6 | 4·2 | 5·2 | 1·6 | 3·2 | 7·2 |
| | Sunshine ... | 4·2 | 3·3 | 3·5 | 4·3 | 4·5 | 4·2 | 2·4 | 4·4 | 2·5 | 3·3 | 3·3 | 0·6 |

## PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4·3 | 2·4 | 3·5 | 3·5 | 3·5 | 2·6 | 3·4 | 3·5 | 5·5 | 3·5 | 4·4 | 1·6 |
| | Rainfall ... | 2·8 | 1·9 | 0·10 | 1·5 | 0·9 | 1·9 | 2·7 | 3·8 | 1·11 | 1·8 | 2·9 | 1·5 |
| | Sunshine ... | 4·5 | 4·4 | 4·7 | 2·7 | 2·8 | 1·7 | 5·5 | 6·5 | 3·4 | 6·6 | 5·4 | 3·9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6·0 | 8·0 | 8·0 | 10·0 | 11·0 | 11·0 | 6·0 | 9·0 | 9·0 | 8·0 | 9·2 | 11·0 |
| | Rainfall ... | 4·4 | 2·4 | 4·6 | 5·6 | 5·4 | 5·5 | 2·4 | 4·6 | 3·5 | 3·2 | 7·1 | 4·3 |
| | Sunshine ... | 5·4 | 5·6 | 6·3 | 4·1 | 4·3 | 5·2 | 1·4 | 6·3 | 4·6 | 2·5 | 2·6 | 2·4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth .. | 6·3 | 7·2 | 7·2 | 9·3 | 7·4 | 7·4 | 4·2 | 8·3 | 7·4 | 7·2 | 7·4 | 6·4 |
| | Rainfall ... | 5·2 | 5·4 | 1·7 | 3·9 | 2·8 | 3·5 | 5·4 | 5·6 | 3·5 | 5·5 | 4·6 | 5·7 |
| | Sunshine ... | 3·1 | 2·2 | 1·2 | 3·4 | 2·6 | 4·4 | 2·6 | 2·0 | 3·5 | 1·9 | 1·7 | 2·5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3·1 | 6·0 | 8·1 | 8·2 | 6·1 | 7·1 | 5·3 | 5·1 | 8·1 | 6·3 | 6·2 | 9·1 |
| | Rainfall ... | 5·2 | 5·5 | 4·6 | 4·5 | 4·5 | 5·4 | 6·4 | 4·5 | 7·6 | 5·5 | 4·6 | 6·5 |
| | Sunshine ... | 4·4 | 4·2 | 3·2 | 6·5 | 4·5 | 4·1 | 4·2 | 4·2 | 4·2 | 4·4 | 4·4 | 4·4 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(2231—19.) Wt. 229—611. 450. 8/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | | | | | | | | | | | | | | | | | | | | | | *Baltasound.* |
| *a*, Islands.. *a* Lerwick.. | 54 | 61 | 9th | 49 | 14th | 56·7 | 51·9 | 54·2 | + 2·0 | 85 | 0 | 1 | 0·12 | — | 5·7 | + 1·6 | 36 | • | • | • | • | • | • | Deerness. |
| *a* Stornoway | 51 | 73 | 14th | 49 | 13th | 64·6 | 52·4 | 58·1 | + 4·1 | 113 | 0 | 5 | 0·30 | - 0·59 | 8·3 | + 3·9 | 53 | • | • | • | • | • | • | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *73* | *14th* | *52* | *9–11* | *63·9* | *54·6* | *59·0* | *+ 4·6* | *119* | *0* | *3* | *0·35* | — | *7·9* | — | *51* | | | | | | | *Castlebay.* |
| *a* Wick | 81 | 63 | 9, 11 | 45 | 9th | 60·1 | 50·6 | 55·1 | + 0·7 | 92 | 0 | 3 | 0·12 | - 0·53 | • | • | • | • | • | • | • | • | • | |
| *p* Strathpeffer | 200 | 70 | 15th | 41 | 11th | 66·1 | 49·0 | 57·0 | + 1·5 | 105 | 0 | 4 | 0·73 | + 0·13 | 5·5 | + 1·5 | 35 | • | • | • | • | • | • | Strathpeffer. |
| *b*, Main- *p* Glencarron | 500 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| land. *p* Fort Augustus.. | 68 | 70 | 12th | 52 | 9–11 | 63·6 | 53·3 | 58·1 | + 2·4 | 113 | 0 | 4 | 0·70 | - 0·08 | 5·6 | + 2·6 | 36 | • | • | • | • | • | • | Fort Augustus. |
| *p* Fort William | 175 | 65 | 14th | 48 | 13th | 70·7 | 51·4 | 60·5 | + 4·3 | 130 | 0 | 3 | 1·55 | + 0·20 | • | • | • | • | • | • | • | • | • | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle | 101 | 76 | 13th | 46 | 15th | 68·7 | 50·1 | 58·8 | + 2·5 | 118 | 0 | 3 | 0·07 | - 0·73 | 9·1 | — | 58 | 0 | 37 | 59·5 | +0·2 | 52·0 | -3·6 | Crathes S. |
| *a* Nairn | 82 | 71 | 12th | 49 | 9, 13 | 64·9 | 51·4 | 57·8 | + 1·6 | 111 | 0 | 3 | 0·06 | - 0·49 | *8·4* | — | *54* | • | • | • | • | • | • | *Gordon Castle.* |
| *a* Aberdeen | 46 | 69 | 11th | 46 | 13th | 65·9 | 51·6 | 58·3 | + 2·3 | 114 | 0 | 2 | 0·05 | - 0·58 | 7·9 | — | 50 | • | • | • | • | • | • | Nairn. |
| *a* Balmoral | 930 | 85 | 14th | 43 | 13th | 71·6 | 47·6 | 58·9 | + 5·5 | 118 | 0 | 2 | 0·22 | - 0·55 | 8·3 | + 3·3 | 53 | • | • | • | • | 54·6 | +0·5 | Aberdeen. |
| *p* Crieff | 432 | 78 | 14th | 48 | 13th | 67·9 | 50·4 | 58·6 | + 1·1 | 116 | 0 | 2 | 0·08 | - 0·79 | • | • | • | 0 | 39 | • | • | • | • | Balmoral. |
| *a* Leith | 18 | 70 | 12th | 48 | 13th | 66·0 | 52·1 | 58·6 | + 0·6 | 116 | 0 | 0 | 0·00 | - 0·63 | 7·5 | — | 48 | • | • | • | • | • | • | Balruddery. |
| *a* West Linton | 800 | 77 | 14th | 44 | 13th | 67·3 | 47·3 | 56·7 | + 1·8 | 103 | 0 | 3 | 0·18 | — | *7·5* | — | *49* | 0 | 36 | • | • | • | • | *West Linton.* |
| *p* Marchmont | 498 | 78 | 14th | 49 | 11, 13 | 70·7 | 51·6 | 60·3 | + 4·5 | 128 | 0 | 2 | 0·37 | - 0·40 | 9·1 | + 4·1 | 59 | 0 | 47 | • | • | • | • | Marchmont. |
| *a Edinburgh* | *441* | *70* | *14th* | *51* | *13th* | *65·7* | *52·9* | *58·9* | — | *118* | *0* | *0* | *0·00* | — | 6·4 | — | 42 | 0 | 40 | • | • | • | • | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 81 | 14th | 46 | 9th | 68·9 | 52·4 | 60·2 | + 3·1 | 127 | 0 | 3 | 0·60 | - 0·43 | • | • | • | • | • | • | • | • | • | |
| *p* Glasgow Observatory | 189 | 77 | 14th | 51 | 15th | 67·9 | 53·9 | 60·5 | + 3·8 | 130 | 0 | 2 | 0·06 | - 0·79 | 7·2 | + 2·8 | 47 | 0 | 43 | • | • | • | • | Glasgow. |
| *p* Rothesay | 90 | 78 | 14th | 49 | 12th | 68·3 | 52·1 | 59·7 | + 2·7 | 124 | 0 | 2 | 0·20 | - 0·86 | *7·0* | — | *46* | 0 | 44 | 59·6 | • | 55·5 | +0·5 | *Rothesay.* |
| *a* Kilmarnock | 90 | 82 | 14th | 45 | 13th | 71·4 | 52·4 | 61·3 | + 4·2 | 135 | 0 | 1 | 0·06 | — | *8·2* | — | *53* | • | • | • | • | • | • | *Kilmarnock.* |
| *a* Colmonell | 150 | 80 | 14th | 48 | 13th | 71·3 | 53·1 | 61·7 | + 4·6 | 138 | 0 | 1 | 0·10 | - 0·79 | • | • | • | 0 | 45 | • | • | • | • | |
| *p* Dumfries | 160 | 81 | 14th | 50 | 12th | 71·1 | 53·3 | 61·7 | + 3·8 | 138 | 0 | 0 | 0·00 | - 0·85 | *8·8* | — | *58* | 0 | 43 | 61·0 | • | 58·3 | • | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 81 | 14th | 46 | 12th | 69·9 | 51·4 | 60·1 | + 3·5 | 127 | 0 | 1 | 0·01 | - 0·99 | • | • | • | • | • | • | • | • | • | |
| *b*. I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 73 | 14th | 51 | 12th | 67·7 | 55·7 | 61·5 | + 4·4 | 135 | 0 | 1 | 0·05 | - 0·82 | 10·5 | - 4·6 | 69 | 0 | 47 | • | • | • | • | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 71 | 9th | 45 | 13th | 68·4 | 50·1 | 58·7 | + 1·9 | 117 | 0 | 0 | 0·00 | - 0·65 | 8·9 | — | 58 | 0 | 41 | 58·7 | - 0·7 | 55·9 | - 0·4 | Cockle Park. |
| *a* Tynemouth | 96 | 71 | 9th | 51 | 12th | 66·3 | 54·3 | 59·9 | + 2·2 | 125 | 0 | 0 | 0·00 | - 0·60 | *9·0* | — | *59* | • | • | • | • | • | • | *Tynemouth.* |
| *p* Durham | 336 | 74 | 14th | 49 | 12th | 69·4 | 51·7 | 60·0 | + 2·1 | 126 | 0 | 0 | 0·00 | - 0·59 | 9·3 | + 4·3 | 61 | 0 | 45 | • | • | • | • | Durham. |
| *a*, North .. *p* Rounton | 249 | 77 | 14th | 43 | 12th | 70·7 | 50·0 | 59·7 | + 2·4 | 124 | 0 | 1 | 0·01 | - 0·63 | • | • | • | 0 | 43 | 60·5 | • | • | • | Rounton. |
| *a West Witton* | *605* | *77* | *14th* | *43* | *12th* | *70·4* | *50·3* | *59·8* | — | *125* | *0* | *0* | *0·00* | — | • | • | • | 0 | 39 | 60·1 | • | 55·3 | • | *West Witton.* |
| *a* Scarborough | 100 | 71 | 11th | 52 | 10th | 67·1 | 55·7 | 61·1 | + 2·7 | 134 | 0 | 1 | 0·02 | - 0·58 | 9·5 | — | 62 | • | • | • | • | 59·5† | • | Scarborough. |
| *p* York | 56 | 78 | 14th | 45 | 12th | 73·6 | 52·6 | 62·5 | + 3·3 | 144 | 0 | 1 | 0·03 | - 0·56 | 8·5 | + 3·4 | 56 | • | • | 60·9 | +0·4 | 58·1 | +1·1 | York. |
| | | | | | | | | | | | | | | | *6·9* | — | *46* | 0 | 44 | 59·7 | - 1·8 | 57·0 | +0·9 | *Hull.* |
| *a* Spurn Head | 26 | 73 | 9th | 53 | 10th | 68·7 | 55·9 | 61·9 | + 2·5 | 139 | 0 | 0 | 0·00 | - 0·44 | *9·7* | — | *64* | • | • | • | • | • | • | *Spurn Head.* |
| *b*, South .. *a* Lincoln | 58 | 80 | 14th | 50 | 11, 12 | 75·0 | 53·6 | 63·7 | + 4·0 | 152 | 0 | 0 | 0·00 | - 0·52 | • | • | • | • | • | 63·3 | +0·9 | 59·0 | +1·8 | Lincoln. |
| *a* Fulbeck | 180 | 78 | 14th | 47 | 12th | 73·6 | 52·0 | 62·2 | + 2·5 | 141 | 0 | 2 | 0·07 | - 0·48 | 9·3 | — | 62 | 0 | 46 | 62·6 | - 2·5 | 58·1 | - 0·8 | Rauceby. |
| | | | | | | | | | | | | | | | 10·0 | — | 66 | 0 | 46 | • | • | • | • | Skegness. |
| | | | | | | | | | | | | | | | *10·2* | • | *68* | 0 | 46 | 65·0 | - 0·1 | 60·6 | +0·1 | *Lowestoft.* |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | 10·9 | — | 72 | • | • | • | • | • | • | Cromer. |
| *p* Cromer | 196 | 75 | 9th | 54 | 11th | 68·6 | 57·6 | 62·8 | + 2·9 | 146 | 0 | 1 | 0·01 | — | • | • | • | • | • | • | • | • | • | |
| *p* Little Massingham | 280 | 76 | 14th | 49 | 11, 12 | 71·9 | 53·7 | 62·3 | + 2·4 | 142 | 0 | 3 | 0·02 | - 0·62 | 8·8 | + 2·7 | 59 | 0 | 47 | • | • | • | • | Lit. Massingham. |
| *a*, North .. *a* Yarmouth | 17 | 77 | 9th | 50 | 11th | 70·3 | 55·6 | 62·5 | + 2·2 | 144 | 0 | 0 | 0·00 | - 0·55 | 10·1 | — | 67 | • | • | 65·4 | - 1·7 | 61·0 | - 1·3 | Yarmouth. |
| *a* Norwich | 93 | 76 | 9th | 48 | 12th | 73·1 | 54·7 | 63·4 | + 3·3 | 150 | 0 | 0 | 0·00 | — | *9·5* | — | *63* | 0 | 45 | 62·9 | • | • | • | *Norwich.* |
| *a* Geldeston | 37 | 77 | 9, 10 | 45 | 12th | 73·0 | 53·9 | 62·9 | + 3·2 | 146 | 0 | 1 | 0·01 | - 0·50 | 9·1 | + 2·6 | 61 | • | • | • | • | • | • | Geldeston. |
| *p* Cambridge | 41 | 80 | 13th | 45 | 11th | 75·0 | 52·9 | 63·3 | + 3·5 | 149 | 0 | 1 | 0·03 | - 0·50 | 8·9 | + 2·6 | 59 | 0 | 38 | 64·0 | - 0·2 | 60·0 | - 0·4 | Cambridge. |
| *a Felixstowe* | *10* | *78* | *11th* | *51* | *11th* | *71·6* | *59·3* | *65·1* | *+ 4·0* | *162* | *0* | *1* | *0·04* | — | *10·0* | — | *67* | • | • | • | • | • | • | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 72 | 11th | 51 | 11th | 68·9 | 59·4 | 63·9 | + 2·9 | 153 | 0 | 1 | 0·04 | — | 9·2 | — | 62 | 0 | 46 | 63·7 | +1·4 | 60·7 | 0·0 | Clacton. |
| *b*, South .. *a* Rothamsted | 424 | 78 | 13, 14 | 47 | 12th | 72·7 | 54·4 | 63·0 | + 3·5 | 147 | 0 | 1 | 0·01 | - 0·55 | *7·5* | + 0·9 | 50 | • | • | • | • | • | • | Rothamsted. |
| *a Shoeburyness* | *13* | *78* | *10th* | *51* | *11th* | *71·4* | *56·9* | *63·7* | *+ 1·2* | *152* | *0* | *1* | *0·02* | - *0·37* | *9·6* | — | *64* | 0 | 45 | 67·6 | +0·3 | • | • | *Southend.* |
| *p* Tottenham | 51 | 80 | 13th | 51 | 11th | 75·3 | 57·1 | 65·7 | + 4·0 | 166 | 0 | 0 | 0·00 | — | 7·7 | — | 52 | 0 | 42 | • | • | 61·6 | - 0·1 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate | 476 | 76 | 14th | 45 | 12th | 70·6 | 50·3 | 59·8 | + 2·3 | 125 | 0 | 1 | 0·06 | - 0·56 | *7·9* | — | *52* | 0 | 41 | 60·3 | - 2·7 | 56·4 | - 0·3 | *Huddersfield* |
| *a* Bawtry | 65 | 81 | 14th | 43 | 12th | 76·3 | 49·4 | 62·0 | + 2·4 | 140 | 0 | 1 | 0·16 | - 0·38 | 8·9 | — | 58 | 0 | 39 | 58·4 | +0·3 | 57·0 | +0·8 | Harrogate. |
| *p Buxton* | *987* | *75* | *13th* | *41* | *13th* | *68·4* | *51·1* | *59·2* | *+ 2·8* | *120* | *0* | *2* | *0·61* | - *0·39* | 8·2 | + 3·2 | 54 | 0 | 41 | 60·4 | • | 57·4 | • | Worksop. |
| *a*, East .. *a* Nottingham | 82 | 80 | 13, 14 | 45 | 12th | 74·1 | 50·6 | 61·7 | + 2·1 | 138 | 0 | 1 | 0·01 | - 0·54 | *8·0* | — | *53* | 0 | 39 | 58·7† | - 1·9 | 57·0 | +2·2 | *Buxton.* |
| *p* Birmingham, Edgbsn. | 535 | 79 | 14th | 49 | 11th | 71·9 | 54·4 | 62·6 | + 3·9 | 144 | 0 | 2 | 0·13 | - 0·45 | 8·5 | — | 56 | 0 | 45 | 62·3 | - 0·2 | 59·2 | - 0·2 | Nottingham. |
| *a* Raunds | 203 | 83 | 13th | 45 | 12th | 76·3 | 52·1 | 63·5 | + 3·1 | 151 | 0 | 2 | 0·04 | — | 8·0 | — | 53 | 0 | 40 | 57·5 | - 0·4 | 54·0 | +0·3 | Birmingham. |
| *p* Oxford | 208 | 81 | 13, 14 | 49 | 11th | 74·3 | 54·3 | 63·7 | + 3·1 | 152 | 0 | 3 | 0·14 | - 0·39 | *7·9* | — | *53* | 0 | 40 | 63·3 | • | 58·2 | • | *Raunds.* |
| | | | | | | | | | | | | | | | 8·1 | + 1·9 | 54 | 0 | 43 | • | • | • | • | Oxford. |
| | | | | | | | | | | | | | | | 8·4 | — | 56 | 0 | 42 | 60·1 | - 0·6 | 56·2 | +0·1 | Sheffield. |
| *a* Cheadle | 646 | 76 | 13, 14 | 48 | 10, 11 | 69·9 | 51·7 | 60·3 | + 2·9 | 128 | 0 | 1 | 0·34 | - 0·41 | • | • | • | 0 | 45 | • | • | • | • | Cheadle. |
| *p* Shrewsbury | 191 | 80 | 13th | 48 | 11th | 72·3 | 51·3 | 61·2 | + 2·1 | 134 | 0 | 1 | 0·10 | — | • | • | • | 0 | 44 | • | • | • | • | Shrewsbury. |
| *b*, West .. *a* Hereford§ | 291 | 80 | 13, 14 | 48 | 11, 13 | 72·7 | 52·1 | 61·8 | + 2·4 | 139 | 0 | 2 | 0·14 | - 0·40 | *8·7* | — | *58* | 0 | 41 | 62·8 | • | 60·2 | • | *Malvern.*§ |
| *a* Cirencester | 446 | 80 | 13th | 46 | 11th | 73·1 | 54·2 | 63·1 | + 4·6 | 148 | 0 | 2 | 0·15 | - 0·51 | 7·6 | + 1·5 | 51 | 0 | 41 | 60·8 | • | 57·8 | • | Cirencester. |
| *a* Bath | 66 | 83 | 14th | 46 | 11th | 74·0 | 53·9 | 63·4 | + 3·4 | 150 | 0 | 3 | 0·65 | + 0·04 | 8·4 | — | 56 | • | • | • | • | • | • | Bath. |
| | | | | | | | | | | | | | | | • | • | • | 0 | 43 | 64·7 | +1·0 | 61·0 | +0·1 | Canterbury. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Kew | 18 | 78 | 13–15 | 51 | 11, 12 | 74·6 | 57·7 | 65·6 | + 4·4 | 165 | 0 | 1 | 0·01 | - 0·49 | 7·3 | + 1·0 | 49 | 0 | 40 | 62·3 | - 1·2 | 58·9 | 0·0 | Kew. |
| *a* Marlborough | 424 | 80 | 13, 14 | 41 | 11, 12 | 72·6 | 51·9 | 61·6 | + 2·8 | 137 | 0 | 3 | 0·36 | - 0·20 | 7·8 | + 1·9 | 52 | 0 | 39 | 62·2 | • | 57·8 | • | Marlborough. |
| *a* Margate | 35 | ?76 | 10th | ?50 | 11th | ?70·0 | ?58·2 | ?63·8 | ?+ 1·9 | ? 153 | 0 | 0 | 0·00 | - 0·45 | 10·0 | + 3·6 | 67 | 0 | 45 | 65·4 | +1·6 | 62·2 | +2·3 | Margate. |
| *a* Wisley, Surrey | 150 | 83 | 14th | 45 | 12th | 74·3 | 54·4 | 63·8 | + 2·1 | 153 | 0 | 1 | 0·02 | — | 7·4 | — | 50 | 0 | 37 | 63·0 | - 1·0 | 59·4 | - 1·2 | Wisley. |
| | | | | | | | | | | | | | | | 8·9 | — | 60 | 0 | 47 | 65·0 | - 0·7 | 61·0 | 0·0 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 83 | 13, 14 | 46 | 11, 12 | 75·1 | 54·0 | 63·9 | + 2·8 | 153 | 0 | 3 | 1·02 | + 0·48 | • | • | • | 0 | 44 | 63·9 | • | • | • | Salisbury. |
| *a* Tunbridge Wells | 418 | 81 | 13, 14 | 47 | 11th | 75·6 | 55·3 | 64·8 | + 4·7 | 160 | 0 | 0 | 0·00 | - 0·50 | 8·5 | + 2·0 | 57 | 0 | 38 | 62·9 | - 2·3 | 59·5 | • | Tunbridge Wells |
| *a* Dungeness | 21 | 72 | 13th | 51 | 11th | 68·4 | 57·9 | 62·8 | + 1·8 | 146 | 0 | 0 | 0·00 | - 0·43 | 10·4 | — | 70 | • | • | • | • | • | • | Littlestone. |
| *p* Hastings | 178 | 78 | 13th | 50 | 11, 12 | 72·0 | 58·9 | 65·1 | + 3·9 | 162 | 0 | 1 | 0·03 | - 0·50 | *10·5* | *+ 3·3* | *71* | 0 | 50 | 66·4 | • | 61·7 | • | *Hastings.* |
| *p* Southampton | 65 | 82 | 13, 14 | 50 | 11th | 75·4 | 56·9 | 65·6 | + 3·3 | 165 | 0 | 2 | 0·87 | + 0·30 | 8·1 | + 1·2 | 54 | 0 | 43 | • | • | • | • | Southampton. |
| *a* Ventnor | 80 | 78 | 14th | 54 | 11th | 72·3 | 60·4 | 66·0 | + 3·8 | 168 | 0 | 3 | 1·03 | + 0·58 | 8·6 | + 1·7 | 57 | • | • | • | • | • | • | Ventnor. |
| | | | | | | | | | | | | | | | *8·2* | — | 55 | 0 | 47 | 65·9 | - 0·7 | 62·0 | - 0·1 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 10·3 | + 3·2 | 69 | • | • | 64·7 | • | 61·8 | • | Eastbourne. |
| | | | | | | | | | | | | | | | *8·5* | — | *57* | • | • | 63·4 | • | 61·3 | • | *Bournemouth.* |
| | | | | | | | | | | | | | | | *8·9* | *+ 1·6* | *60* | 0 | 51 | • | • | 62·4 | • | *Brighton.* |
| LONDON. | | | | | | | | | | | | | | | *7·1* | *+ 1·5* | *48* | 0 | 45 | • | • | • | • | *Westminster.* |
| *a Westminster* | *27* | *78* | *13, 14* | *50* | *11th* | *73·2* | *56·6* | *64·4* | *+ 3·1* | *157* | *0* | *1* | *0·01* | *- 0·51* | *7·4* | *+ 0·2* | *50* | 0 | 40 | • | • | • | • | *Greenwich.* |
| *a Greenwich* | *155* | *79* | *13, 14* | *49* | *11, 12* | *74·6* | *55·3* | *64·4* | *+ 1·7* | *157* | *0* | *1* | *0·01* | *- 0·50* | *7·4* | — | *50* | 0 | 40 | • | • | • | • | *Hampstead.* |
| *a Hampstead* | *450* | *77* | *13, 14* | *49* | *11th* | *71·9* | *56·6* | *63·8* | — | *153* | *0* | *0* | *0·00* | — | *7·4* | — | *50* | 0 | 40 | • | • | • | • | *Camden Square.* |
| *a Camden Square* | *110* | *83* | *13, 14* | *48* | *11th* | *76·9* | *56·1* | *65·9* | — | *167* | *0* | *0* | *0·00* | — | *6·6* | — | *44* | 0 | 43 | • | • | • | • | *Burnley.* |
| | | | | | | | | | | | | | | | *9·0* | — | *60* | 0 | 40 | 58·7 | - 1·2 | 55·8 | +0·1 | Hoylake. |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | 9·0 | — | 60 | • | • | • | • | • | • | Aspatria. |
| *p* Aspatria | 250 | 84 | 14th | 50 | 12, 13 | 71·7 | 52·7 | 61·6 | + 4·9 | 137 | 0 | 0 | 0·00 | - 0·96 | 10·6 | — | 69 | 0 | 44 | 60·4 | • | 55·6 | • | Newton Rigg. |
| *p* Newton Rigg | 559 | 79 | 14th | 43 | 12th | 69·9 | 51·1 | 59·9 | + 3·8 | 125 | 0 | 0 | 0·00 | - 0·76 | 9·7 | + 4·6 | 63 | 0 | 35 | 60·2 | - 0·4 | 56·2 | - 0·3 | Stonyhurst. |
| *p* Stonyhurst | 375 | 78 | 14th | 44 | 12th | 70·6 | 52·3 | 60·9 | + 3·2 | 132 | 0 | 1 | 0·12 | - 0·93 | 9·0 | + 3·9 | 60 | 0 | 36 | • | • | • | • | Blackpool. |
| *p* Blackpool | 66 | 80 | 14th | 47 | 12th | 71·1 | 55·7 | 62·9 | + 4·2 | 146 | 0 | 0 | 0·00 | - 0·76 | 9·9 | + 4·4 | 66 | 0 | 40 | 59·9 | • | 58·5 | • | *Southport.* |
| *a Southport* | *37* | *80* | *14th* | *46* | *12th* | *71·4* | *53·9* | *62·1* | *+ 3·4* | *141* | *0* | *1* | *0·07* | *- 0·77* | *9·9* | *+ 4·1* | *66* | 0 | 42 | 64·0 | - 0·2 | 61·5 | +0·1 | *Liverpool.* |
| *a* Liverpool (Bidston) | 188 | 78 | 14th | 51 | 9th | 71·0 | 55·0 | 62·5 | + 3·8 | 144 | 0 | 1 | 0·08 | - 0·59 | 9·7 | — | 64 | • | • | • | • | • | • | *Manchester (City).* |
| *a Hawarden Bridge* | *22* | *78* | *13, 14* | *52* | *10th* | *72·4* | *54·3* | *62·8* | *+ 3·8* | *146* | *0* | *0* | *0·00* | *- 0·63* | *8·3* | — | *55* | 0 | 45 | 61·8 | 0·0 | 60·4 | +1·4 | " (Whit. |
| *p* Manchester (Wnit. Pk.) | 125 | 82 | 14th | 48 | 12th | 73·4 | 54·9 | 63·6 | + 4·5 | 151 | 0 | 1 | 0·32 | - 0·31 | *9·3* | *+ 4·8* | *62* | | | • | • | • | • | Park) |
| *b* NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 85 | 13, 14 | 52 | 12th | 74·4 | 58·9 | 63·2 | + 6·8 | 169 | 0 | 1 | 0·07 | - 0·56 | 9·7 | + 4·1 | 64 | • | • | • | • | • | • | Llandudno. |
| *a* Holyhead | 17 | 86 | 14th | 55 | 11th | 72·3 | 57·6 | 64·5 | + 6·0 | 168 | 0 | 0 | 0·00 | - 0·66 | *9·9* | — | *66* | • | • | • | • | • | • | *Holyhead.* |
| *Bettws-y-Coed* | *101* | *82* | *13, 14* | *45* | *12th* | *73·6* | *54·6* | *63·5* | *+ 4·5* | *151* | *0* | *1* | *0·08* | — | *8·5* | — | *56* | | | 58·6 | 0·0 | 55·1 | -0·4 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 7·7 | — | 51 | • | • | • | • | • | • | Aberdovey. |

* For note see also opposite page. † At 3 ft. ‡ Hoar frost. § The temperature on the grass refers to Hereford

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| Districts and Names of Stations reporting Temperature of Air and Rainfall. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average. | Stations reporting Sunshine and Temperature on the Grass and in the Ground. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | ° | | ° | | ° | ~ | ~ | ~ | day ° | day ° | • | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 8·3 | — | 55 | | | | | | | Aberystwyth. |
| *a* Llangammarch Wells | 550 | 79 | 13, 14 | 41 | 12th | 70·7 | 51·6 | 60·6 | + 3·4 | 130 | 0 | 4 | 0·31 | — | 7·1 | — | 47 | 0 | 39 | 60·2 | +0·7 | 55·8 | +0·4 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 73 | 13, 14 | 53 | 12th | 66·6 | 57·4 | 61·7 | + 3·1 | 138 | 0 | 4 | 1·26 | + 0·63 | 7·4 | + 1·0 | 50 | • | • | • | • | • | • | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 79 | 14th | 49 | 11th | 72·1 | 55·7 | 63·4 | + 3·0 | 150 | 0 | 3 | 1·04 | + 0·13 | *8·2* | — | *55* | 0 | 44 | 62·8 | +0·9 | 59·2 | −0·2 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 84 | 14th | 51 | 11th | 73·9 | 55·0 | 63·9 | + 2·6 | 153 | 0 | 3 | 0·79 | + 0·05 | *8·7* | — | *58* | 0 | 50 | • | • | • | • | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 77 | 13th | 48 | 11th | 69·9 | 53·9 | 61·4 | + 2·1 | 136 | 0 | 4 | 0·71 | + 0·05 | • | • | • | • | • | 61·9 | • | 59·2 | • | Shaftesbury. |
| *a* Arlington .. .. | 613 | 80 | 13th | 46 | 11th | 70·0 | 55·7 | 62·4 | + 4·5 | 143 | 0 | 3 | 1·71 | + 0·64 | • | • | • | • | • | • | • | • | • | Arlington. |
| *a Newquay* .. .. | *190* | 77 | *13th* | *47* | *11th* | *68·9* | *57·0* | *62·6* | + *2·1* | *144* | *0* | *3* | *0·76* | − *0·35* | 7·9 | + 1·2 | 53 | 0 | 40 | 63·2 | • | 59·1 | • | Newquay. |
| *a* Cullompton .. .. | 202 | 82 | 13th | 46 | 11th | 74·7 | 54·6 | 64·1 | + 4·4 | 155 | 0 | 4 | 1·24 | + 0·57 | 7·7 | + 1·8 | 52 | 0 | 42 | 63·5 | • | • | • | Cullompton. |
| *a* Portland .. .. | 19 | 67 | 12-14 | 56 | 11th | 65·0 | 58·7 | 61·7 | + 1·0 | 138 | 0 | 2 | 1·14 | — | *7·8* | — | *53* | • | • | • | • | • | • | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 77 | 13th | 48 | 11th | 68·6 | 57·1 | 63·0 | + 2·3 | 147 | 0 | 3 | 0·44 | − 0·20 | 8·6 | + 2·1 | 59 | 0 | 41 | 64·1 | −1·6 | • | • | Plymouth. |
| *a* Falmouth .. .. | 167 | 71 | 15th | 49 | 11th | 67·9 | 56·6 | 61·9 | + 1·8 | 139 | 0 | 2 | 0·13 | − 0·59 | 7·5 | + 0·4 | 51 | 0 | 42 | 64·8 | • | 61·5 | • | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. { *a* Malin Head .. .. | 208 | 71 | 14th | 50 | 9th | 65·9 | 53·9 | 59·5 | + 3·0 | 123 | 0 | 2 | 0 16 | − 0·62 | 7·7 | — | 50 | • | • | • | • | • | • | • • |
| *a* Blacksod Point .. | 37 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • • |
| *p* Markree Castle .. | 122 | 78 | 13th | 43 | 9th | 70·6 | 51·4 | 60·4 | + 3·9 | 129 | 0 | 3 | 1·27 | + 0·33 | 8·0 | + 3·8 | 52 | 0 | 37 | 60·7 | • | 56·7 | • | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 78 | 13th | 48 | 12th | 71·0 | 54·0 | 62·0 | + 4·1 | 140 | 0 | 2 | 1·30 | + 0·47 | *7·1* | + *2·5* | *47* | • | • | • | • | • | • | *Birr Castle.* |
| *b*, East .. { *p* Armagh .. .. | 196 | 77 | 14th | 48 | 12th | 70·6 | 53·0 | 61·3 | + 4·3 | 135 | 0 | 1 | 0·02 | − 0·82 | 7·6 | + 3·3 | 50 | 0 | 41 | 60·9 | −1·1 | 58·0 | −0·3 | Armagh. |
| *a* Donaghadee .. .. | 48 | 68 | 14th | 52 | 9-12 | 66·1 | 53·7 | 59·5 | + 2·0 | 123 | 0 | 1 | 0·12 | − 0·63 | • | • | • | 0 | 40 | 61·8 | −0·9 | 58·2 | −0·2 | *Trinity Coll.* |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 8·6 | + 3·3 | 57 | 0 | 41 | • | • | • | • | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 76 | 14th | 52 | 12th | 70·4 | 57·1 | 63·4 | + 3·7 | 150 | 0 | 2 | 1·06 | + 0·36 | • | • | • | 0 | 50 | • | • | • | • | Dublin City. |
| *a*, East .. { *a* Kilkenny .. .. | 212 | 74 | 13, 15 | 47 | 11th | 70·1 | 54·0 | 61·6 | + 3·3 | 137 | 0 | 2 | 1·81 | + 1·04 | • | • | • | • | • | • | • | • | • | • • |
| *a* Waterford .. .. | 20 | 77 | 15th | 50 | 12th | 70·4 | 56·0 | 62·8 | + 3·9 | 146 | 0 | 2 | 2·39 | + 1·56 | • | • | • | • | • | • | • | • | • | • • |
| *a Seskin, Carrick-on-Suir* | *541* | *70* | *12th* | *48* | *12th* | *67·0* | *54·3* | *60·3* | — | *128* | *0* | *4* | *2·05* | — | *5·7* | — | *38* | 0 | 39 | • | • | • | • | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 78 | 13th | 48 | 12th | 71·0 | 54·0 | 62·0 | + 4·1 | 140 | 0 | 2 | 1·30 | + 0·47 | 7·1 | + 2·5 | 47 | • | • | • | • | • | • | Birr Castle. |
| *a* Foynes .. .. | 50 | 73 | 12, 15 | 48 | 12th | 69·3 | 54·6 | 61·5 | + 2·9 | 137 | 0 | 3 | 0·28 | − 0·61 | • | • | • | • | • | • | • | • | • | • • |
| *a* Cahir .. .. | 199 | 73 | 15th | 45 | 12th | 70·6 | 53·0 | 61·3 | + 2·8 | 135 | 0 | 3 | 0·49 | — | • | • | • | • | • | • | • | • | • | • • |
| *b*, West .. { *a* Killarney .. .. | 174 | 76 | 12th | 50 | 12th | 70·3 | 55·5 | 62·5 | + 4·2 | 144 | 0 | 3 | 0·45 | − 0·54 | • | • | • | • | • | • | • | • | • | • • |
| *a* Valencia .. .. | 30 | 74 | 12th | 50 | 12th | 66·7 | 55·1 | 60·6 | + 2·0 | 130 | 0 | 3 | 0·32 | − 0·78 | 7·0 | + 2·0 | 47 | • | • | • | • | • | • | Valencia. |
| *a* Roche's Point .. .. | 32 | 69 | 15th | 49 | 12th | 64·7 | 54·7 | 59·4 | + 0·5 | 122 | 0 | 7 | 0·22 | − 0·61 | 5·6 | — | 38 | • | • | • | • | • | • | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 68 | 13th | 53 | 11th | 65·0 | 56·7 | 60·6 | − 0·1 | 130 | 0 | 3 | 0·12 | − 0·43 | 6·9 | − 0·4 | 47 | • | • | • | • | • | • | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 84 | 13, 14 | 56 | 10th | 75·0 | 60·6 | 67·4 | + 4·8 | 178 | 0 | 2 | 0·28 | − 0·26 | 9·5 | + 1·6 | 65 | • | • | • | • | • | • | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 82 | 13, 14 | 52 | 11th | 73·6 | 58·6 | 65·7 | + 4·2 | 166 | 0 | 3 | 1·98 | + 1·40 | 9·5 | + 1·4 | 65 | 0 | 46 | 65·7 | +0·6 | 62·2 | +0·5 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 8·6 hrs. 58 °/₀; Ramsgate, hrs. °/₀; Rhyl, 9·8 hrs. 65 °/₀; Salcombe, 8·8 hrs. 60 °/₀; Tenby, 8·4 hrs. (+1·9) 56 °/₀; Torquay, 8·1 hrs. (+1·2) 54 °/₀.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Aug. 15th.

Taken daily at or about sunrise and at 4 p.m.

| District and Station. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | 49 | 48 | 48·5 | −4·7 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 63 | 57 | 60·5 | +3·9 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 54 | 50 | 52·2 | −2·9 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 59 | 57 | 58·0 | −4·7 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 67 | 64 | 65·3 | +1·2 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 59 | 57 | 58·0 | +0·9 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 60 | 58 | 58·7 | — |
| Plymouth‡ .. .. | 62 | 61 | 61·8 | +0·6 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | — | — | — | — |
| Seafield .. .. | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, August 15th.

| District and Station | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | — | — | 4§ | 155§ | SW. 6 | 10th 12h. | 16 9th ? |
| Aberdeen .. .. | 105 | — | — | — | — | 26 | 142 | SSW. 9 | 9th — | 17 9th 9. 0 |
| Rosyth .. .. | 73 | — | — | — | — | 64 | 104 | SWbyW. 10 | 10th 5h. | 17 10th 13.55 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 9, 10 | 4 | 63 | 101 | SW. by S. 12 | 10th 13h. | 17 10th 12.10 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 44 | 124 | SW. by S. 7 | 9th 21h. | 16 10th 12.25 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 3 | 165 | SW. by W. 6 | 10th 15h. | 12 10th 15.30 |
| South Shields .. | 61 | — | — | — | — | 45 | 123 | W. 9 | 11th 13h. | 14 10th 14. 0 |
| Spurn Head .. | 40 | — | — | — | — | 91 | 77 | SW. by S. 10 | 9th 3h. | 15 9th 8.45 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 9th | 1§ | 79§ | 86§ | — 11 | 9th 9h. | 17 9th 8.50 |
| Shoeburyness .. | 90 | — | — | — | — | 87 | 81 | — 11 | 9th 1h. | 14 9th 0.35 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 48 | — | — | 9th | 3 | 82 | 83 | — 12 | 9th 15h. | 16 9th 14.20 |
| Warlingham .. | 33 | — | — | — | — | — | — | — — | — — | — — |
| Brighton .. .. | 53 | — | — | — | — | 54 | 114 | — 9 | 13th 23h. | 13 9th 4.40 |
| Kew .. .. .. | 40 | — | — | — | — | 34 | 134 | SSW. 7 | 9th 10h. | 13 9th 11.55 |
| South Kensington | 92 | — | — | — | — | 13 | 155 | E. by N. 6 | 14th 14h. | 11 14th 11.10 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | 6 | 162 | WSW. 7 | 10th 13h. | 12 10th 12.55 |
| Southport .. .. | 62 | — | — | 10th | 2 | 96 | 70 | WSW. 11 | 10th 11h. | 16 10th 3.25 |
| Holyhead .. .. | 40 | — | — | 9th | 2 | 66 | 100 | — 11 | 9th 1h. | 18 9th 1.35 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | — | — | 9, 12, 13 | 39 | 39 | 90 | SW. 16 | 9th 4h. | 22 9th 4.30 |
| Plymouth .. .. | 86 | — | — | — | — | 77 | 91 | — 11 | 9th 1h. | 17 12th 16.40 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 9, 13 | 9§ | 109§ | 48§ | — 13 | 9th 19h. | 18 9th 19.10 |
| Weaver Pt. † .. | 30 | — | — | — | — | 66§ | 93§ | — 10 | 9th 15h. | 16 9th 15.20 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | — | — | — | — | — — | — — | — — — |

† The Anemograph from Roche's Point has been moved to Crosshaven Hill near Weaver Pt. on the W. of Cork Harbour.

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

## [Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**THIRTY-SECOND WEEK**—August 9th to August 15th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Means of | | | | Accumulated Number of Day-Degrees. | | | | | | | | | | | |
| | Highest. | Lowest. | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 85 | 41 | 63·6 | 51·4 | 57·2 | + 2·4 | 106 | + 16 | 0 | 0 | 4 | − 1 | 0·59 | −0·34 | 6·3 | +2·6 | 40 | 1017 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 85 | 43 | 67·9 | 50·2 | 58·5 | + 2·3 | 116 | + 16 | 0 | 0 | 2 | − 2 | 0·13 | −0·58 | 8·1 | +3·2 | 52 | 1018 |
| 2. ENGLAND, N.E. ... ... | 80 | 45 | 70·3 | 52·9 | 61·1 | + 2·7 | 134 | + 19 | 0 | 0 | 1 | − 2 | 0·01 | −0·59 | 9·3 | +3·8 | 61 | 1021 |
| 3. ENGLAND, EAST ... | 80 | 45 | 72·1 | 55·5 | 63·3 | + 3·1 | 149 | + 21 | 0 | 0 | 1 | − 2 | 0·01 | −0·48 | 9·0 | +2·9 | 60 | 1022 |
| 4. MIDLAND COUNTIES ... | 83 | 43 | 73·2 | 52·2 | 62·1 | + 2·7 | 141 | + 19 | 0 | 0 | 2 | − 1 | 0·17 | −0·37 | 8·3 | +2·7 | 55 | 1021 |
| 5. ENGLAND, S.E. ... ... | 83 | 41 | 73·0 | 56·6 | 64·3 | + 3·0 | 156 | + 21 | 0 | 0 | 1 | − 2 | 0·33 | −0·13 | 8·7 | +2·3 | 59 | 1021 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 82 | 45 | 69·6 | 53·0 | 60·8 | + 4·0 | 132 | + 28 | 0 | 0 | 1 | − 3 | 0·14 | −0·86 | 8·9 | +3·7 | 58 | 1019 |
| 7. ENGLAND, N.W. ... ... | 86 | 43 | 71·8 | 54·8 | 62·8 | + 4·2 | 146 | + 30 | 0 | 0 | 1 | − 3 | 0·07 | −0·70 | 9·4 | +4·1 | 62 | 1020 |
| 8. ENGLAND, S.W. ... ... | 84 | 41 | 70·0 | 55·6 | 62·4 | + 2·8 | 143 | + 20 | 0 | 0 | 3 | − 1 | 0·88 | +0·23 | 7·8 | +1·6 | 52 | 1019 |
| 9. IRELAND, NORTH ... | 78 | 43 | 68·8 | 53·2 | 60·5 | + 3·2 | 130 | + 23 | 0 | 0 | 2 | − 2 | 0·57 | −0·32 | 7·8 | +3·5 | 51 | 1017 |
| 10. IRELAND, SOUTH ... | 78 | 45 | 69·3 | 54·9 | 61·7 | + 2·9 | 138 | + 19 | 0 | 0 | 3 | − 1 | 0·92 | 0·00 | 7·1 | +2·0 | 47 | 1018 |
| 11. ENGLISH CHANNEL ... | 84 | 52 | 71·2 | 58·6 | 64·6 | + 2·8 | 158 | + 20 | 0 | 0 | 3 | − 1 | 0·79 | +0·23 | 8·6 | +0·5 | 59 | 1019 |

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 11 Weeks, May 31st to August 15th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 37 | * | * | * | * | 993 | + 85 | 0 | − 4 | 45 | − 1 | 5·96 | −2·14 | 4·7 | +0·1 | 27 | 1013 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 30 | * | * | * | * | 1096 | + 73 | 0 | − 3 | 34 | − 6 | 5·98 | −0·61 | 5·7 | +0·1 | 34 | 1013 |
| 2. ENGLAND, N.E. ... ... | 85 | 33 | * | * | * | * | 1245 | + 98 | 0 | 0 | 31 | − 3 | 6·77 | +1·20 | 6·2 | +0·1 | 38 | 1014 |
| 3. ENGLAND, EAST ... | 87 | 38 | * | * | * | * | 1402 | +108 | 0 | 0 | 32 | 0 | 4·78 | −0·62 | 6·9 | +0·2 | 43 | 1015 |
| 4. MIDLAND COUNTIES ... | 88 | 35 | * | * | * | * | 1329 | + 65 | 0 | − 1 | 34 | + 1 | 6·92 | +1·25 | 6·0 | 0·0 | 37 | 1015 |
| 5. ENGLAND, S.E. ... ... | 90 | 36 | * | * | * | * | 1406 | + 46 | 0 | 0 | 30 | 0 | 5·16 | +0·04 | 7·4 | +0·5 | 46 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 35 | * | * | * | * | 1159 | + 69 | 0 | − 1 | 37 | − 3 | 6·11 | −2·27 | 5·8 | −0·1 | 35 | 1014 |
| 7. ENGLAND, N.W. ... ... | 86 | 36 | * | * | * | * | 1262 | + 68 | 0 | 0 | 36 | − 1 | 7·11 | +0·27 | 6·4 | +0·3 | 39 | 1015 |
| 8. ENGLAND, S.W. ... ... | 86 | 34 | * | * | * | * | 1293 | + 31 | 0 | 0 | 43 | + 7 | 9·44 | +2·87 | 6·3 | −0·3 | 39 | 1015 |
| 9. IRELAND, NORTH ... | 80 | 35 | * | * | * | * | 1124 | + 23 | 0 | 0 | 44 | − 1 | 6·20 | −1·45 | 5·0 | 0·0 | 30 | 1014 |
| 10. IRELAND, SOUTH ... | 81 | 39 | * | * | * | * | 1257 | + 36 | 0 | 0 | 44 | + 5 | 6·87 | −0·54 | 5·6 | 0·0 | 35 | 1015 |
| 11. ENGLISH CHANNEL ... | 84 | 42 | * | * | * | * | 1358 | − 1 | 0 | 0 | 38 | + 2 | 6·53 | +1·18 | 6·8 | −1·2 | 43 | 1016 |

THE YEAR.—Aggregates, &c., for the Period of 32 Weeks, January 4th, 1914, to August 15th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 1442 | +146 | 391 | −166 | 147 | + 1 | 28·24 | −0·14 | 3·6 | 0·0 | 27 | 1008 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 1683 | +196 | 492 | −128 | 117 | − 3 | 17·91 | +0·54 | 4·4 | +0·1 | 33 | 1010 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 1967 | +341 | 299 | −176 | 106 | − 2 | 13·72 | +0·10 | 4·8 | +0·2 | 36 | 1012 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 2183 | +286 | 299 | −222 | 102 | − 3 | 13·35 | +0·09 | 5·3 | +0·4 | 40 | 1014 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 2125 | +230 | 367 | −166 | 108 | + 4 | 15·15 | +0·27 | 4·5 | +0·1 | 35 | 1014 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 2238 | +206 | 240 | −141 | 104 | + 5 | 16·97 | +2·70 | 5·6 | +0·6 | 43 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 1752 | +146 | 317 | −108 | 132 | + 6 | 24·80 | −0·79 | 4·3 | −0·1 | 32 | 1010 |
| 7. ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 1963 | +227 | 227 | −159 | 118 | + 3 | 19·27 | +0·64 | 4·7 | +0·3 | 35 | 1013 |
| 8. ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 2116 | +178 | 192 | −109 | 128 | +15 | 26·11 | +5·94 | 5·0 | +0·1 | 38 | 1014 |
| 9. IRELAND, NORTH ... | 80 | 25 | * | * | * | * | 1802 | +118 | 246 | − 99 | 143 | + 6 | 22·19 | +1·13 | 4·0 | 0·0 | 30 | 1011 |
| 10. IRELAND, SOUTH ... | 81 | 24 | * | * | * | * | 2099 | +146 | 174 | − 85 | 141 | +19 | 23·70 | +1·36 | 4·5 | 0·0 | 35 | 1013 |
| 11. ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 2357 | +174 | 72 | − 37 | 121 | + 1 | 19·91 | +3·14 | 5·5 | −0·4 | 42 | 1015 |

M.O., August 19, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 129

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 33. THIRTY-THIRD WEEK, SUNDAY, AUGUST 16TH, TO SATURDAY, AUGUST 22ND, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

At the commencement of the week the anticyclone, which had previously moved away from these Islands in a north-easterly direction, expanded southwards again, and occasioned a renewal of fair, dry weather over the entire country. The wind on Sunday was light to moderate and between North-East and South-East. By Monday morning, when the barometrical pressure had become very uniform, light variable breezes were general.

Towards the middle of the week the anticyclone began to withdraw to the eastward, while a large shallow area of low pressure extended gradually over the United Kingdom from the Atlantic. In Scotland the wind remained for a time rather variable, but over England and Ireland a light breeze from the West and South-West sprang up. The weather at the same time became generally unsettled. Rain fell in most of the western and northern districts on the 20th, and thunderstorms, or thunder only, occurred in nearly all parts of Great Britain on the 21st. At Scarborough, Skegness and Great Yarmouth the accompanying rainfall amounted to about 1·0 in., and at Glasgow a shower in the afternoon deposited 0·38 in. in 10 minutes. At the close of the week a deeper depression arrived off our western coasts, and occasioned freshening Southerly winds in Ireland and the west of Scotland. Coast mists and fogs were very prevalent, especially in the west. On the morning of the 20th the whole of the Irish coasts and the neighbouring seas and channels were enveloped.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Unusual | Moderate | Moderate | Unusual | Unusual | Unusual |
| | Rainfall ... | Light | Light | Light | Light | Very light | Very light | Light | Very light | Very light | Light | Moderate | Light |
| | Sunshine ... | Abundant | Abundant | Abundant | Abundant | Abundant | Abundant | Abundant | Very abundant | Abundant | Very abundant | Abundant | Moderate |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 12 weeks from May 31st, 1914. | Warmth ... | 4 * 0 | 5 * 3 | 5 * 1 | 5 * 1 | 4 * 2 | 4 * 2 | 6 * 2 | 4 * 1 | 4 * 2 | 5 * 1 | 3 * 2 | 4 * 3 |
| | Rainfall ... | 2 * 4 | 2 * 4 | 3 * 5 | 3 * 4 | 3 * 4 | 2 * 3 | 1 * 7 | 4 * 3 | 5 * 3 | 1 * 7 | 3 * 2 | 7 * 3 |
| | Sunshine ... | 5 * 2 | 4 * 3 | 4 * 5 | 5 * 3 | 5 * 5 | 5 * 2 | 3 * 4 | 5 * 4 | 3 * 5 | 4 * 3 | 4 * 3 | 0 * 6 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| | Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| | Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| | Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3 * 1 | 6 * 0 | 8 * 1 | 8 * 2 | 6 * 1 | 7 * 1 | 5 * 3 | 5 * 1 | 8 * 1 | 6 * 3 | 6 * 2 | 9 * 1 |
| | Rainfall ... | 5 * 2 | 5 * 5 | 4 * 6 | 4 * 5 | 4 * 5 | 5 * 4 | 6 * 4 | 4 * 5 | 7 * 6 | 5 * 5 | 4 * 6 | 6 * 5 |
| | Sunshine ... | 4 * 4 | 4 * 2 | 3 * 2 | 6 * 5 | 4 * 5 | 4 * 1 | 4 * 2 | 4 * 2 | 4 * 2 | 4 * 4 | 4 * 4 | 4 * 4 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(2303—19.) Wt. 229—611. 450. 8/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts | Lowest Reading. | Earth 1 ft. Mean | Difference from Average. | Earth 4 ft. Mean. | Difference from Average. | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **0. SCOTLAND, N.** | *31* | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | 54 | 58 | 22nd | 49 | 19th | 55·7 | 50·9 | 53·2 | + 1·0 | 78 | 0 | 4 | 0·10 | — | 0·9 | - 3·0 | 6 | | | | | | | *Baltasound.* |
| *a* Lerwick | 51 | 65 | 21st | 47 | 17th | 62·6 | 50·9 | 56·4 | + 2·2 | 101 | 0 | 2 | 0·28 | - 0·66 | 6·6 | + 2·3 | 43 | | | | | | | Deerness. |
| *a* Stornoway | 37 | 63 | *17th* | *53* | *18th* | *61·3* | *54·6* | *57·8* | + *3·1* | *111* | *0* | *1* | *0·39* | — | *4·4* | — | *29* | | | | | | | Stornoway. |
| *a Castlebay, Barra Isd.* | | | | | | | | | | | | | | | | | | | | | | | | *Castlebay.* |
| *a* Wick | 81 | 58 | 20th | 50 | 19–22 | 56·3 | 50·7 | 53·3 | - 1·0 | 79 | 0 | 2 | 0·08 | - 0·57 | | | | | | | | | | |
| *p* Strathpeffer | 200 | 70 | 22nd | 44 | 18th | 64·7 | 47·0 | 55·3 | + 0·1 | 93 | 0 | 2 | 0·34 | - 0·24 | 7·1 | + 3·2 | 47 | | | | | | | Strathpeffer. |
| *p* Glencarron | 500 | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Fort Augustus | 68 | 70 | 21st | 46 | 17th | 64·7 | 49·7 | 56·8 | + 1·2 | 104 | 0 | 1 | 0·25 | - 0·55 | 6·0 | + 3·1 | 40 | | | | | | | Fort Augustus. |
| *p* Fort William | 175 | 74 | 17th | 44 | 16, 17 | 69 9 | 48·9 | 58·8 | + 2·8 | 118 | 0 | 2 | 0·53 | - 0·87 | | | | | | | | | | |
| **1. SCOTLAND, E.** | | | | | | | | | | | | | | | 5·8 | — | 38 | 0 | 39 | 59·2 | +0·7 | 56·5 | +0·7 | Crathes S. |
| *p* Gordon Castle | 101 | 69 | 20th | 40 | 17th | 65·0 | 45·1 | 54·5 | - 1·6 | 88 | 0 | 3 | 0·55 | - 0·23 | *6·2* | — | *41* | | | | | | | *Gordon Castle.* |
| *a* Nairn | 82 | 70 | 22nd | 41 | 16-18 | 63·1 | 45·7 | 53·9 | - 2·1 | 83 | 0 | 3 | 0·43 | - 0·12 | 6·6 | — | 44 | | | | | | | Nairn. |
| *a* Aberdeen | 46 | 67 | 22nd | 48 | 20th | 62·3 | 51·0 | 56·3 | + 0·3 | 100 | 0 | 1 | 0·08 | - 0·56 | 5·2 | + 0·3 | 34 | | | | | 55·1 | +0·7 | Aberdeen. |
| *a* Balmoral | 930 | 82 | 16th | 34 | 17th | 72·6 | 43·0 | 56·9 | + 3·9 | 104 | 0 | 3 | 0·12 | - 0·71 | | | | 0 | 31 | | | | | Balmoral. |
| *p* Crieff | 432 | 71 | 17th | 45 | 17th | 66·4 | 48·9 | 57·1 | 0·0 | 106 | 0 | 2 | 0·51 | - 0·43 | 5·3 | — | 35 | | | | | | | Balruddery. |
| *a* Leith | 18 | 71 | 22nd | 48 | 20, 21 | 64·9 | 51·1 | 57·6 | - 0·4 | 109 | 0 | 2 | 0·10 | - 0·55 | | | | | | | | | | |
| *a* West Linton | 800 | 67 | 22nd | 37 | 20th | 65·1 | 40·4 | 52·0 | - 2·7 | 77 | 4 | 2 | 0·04 | — | *4·8* | — | *32* | 0 | 31 | | | | | *West Linton.* |
| *p* Marchmont | 498 | 71 | 22nd | 43 | 17th | 66·0 | 49·1 | 57·0 | + 1·4 | 105 | 0 | 1 | 0·07 | - 0·70 | 5·4 | + 0·6 | 36 | 0 | 42 | | | | | Marchmont. |
| *a Edinburgh* | *441* | *69* | *22nd* | *50* | *16, 17* | *63·9* | *51·1* | *57·1* | — | *106* | *0* | *2* | *0·05* | — | 5·6 | — | 37 | 0 | 39 | | | | | Edinburgh. |
| **6. *a*. SCOTLAND, W.** | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 70 | 17th | 45 | 18th | 67·0 | 50·0 | 58·0 | + 1·2 | 112 | 0 | 3 | 1·15 | + 0·08 | | | | | | | | | | |
| *p* Glasgow Observatory | 189 | 68 | 17, 20, 22 | 49 | 18th | 66·7 | 51·7 | 58·8 | + 2·4 | 118 | 0 | 3 | 0·64 | - 0·25 | 4·5 | + 0·2 | 30 | 0 | 40 | | | | | Glasgow. |
| *p* Rothesay | 90 | 71 | 18th | 48 | 18th | 67·4 | 50·7 | 58·6 | + 1·9 | 116 | 0 | 1 | 0·52 | - 0·58 | *6·3* | — | *42* | 0 | 45 | 60·6 | | 56·3 | +0·7 | *Rothesay.* |
| *a* Kilmarnock | 90 | 71 | 17, 18 | 40 | 18th | 68·9 | 46·0 | 56·8 | + 0·2 | 104 | 0 | 2 | 0·52 | — | *5·9* | — | *40* | | | | | | | *Kilmarnock.* |
| *a* Colmonell | 150 | 71 | 17, 18 | 42 | 18th | 68·7 | 47·3 | 57·4 | + 0·4 | 108 | 0 | 1 | 0·15 | - 0·79 | | | | 0 | 39 | | | | | |
| *p* Dumfries | 160 | 71 | 17th | 46 | 16th | 68·3 | 49·1 | 58·1 | + 0·5 | 113 | 0 | 2 | 0·12 | - 0·76 | *6·2* | — | *42* | 0 | 40 | 61·9 | | 59·6 | | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 72 | 16, 18 | 43 | 22nd | 69·1 | 48·4 | 58·1 | + 2·0 | 113 | 0 | 2 | 0·51 | - 0·56 | | | | | | | | | | |
| ***b*. I. OF MAN.** | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 69 | 20th | 49 | 18th | 65·4 | 53·3 | 59·0 | + 2·3 | 119 | 0 | 2 | 0·22 | - 0·71 | 8·0 | + 2·3 | 54 | 0 | 44 | | | | | Douglas. |
| **2. ENGLAND, N.E.** | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 219 | 71 | 22nd | 45 | 17th | 65·6 | 49·0 | 56·8 | + 0·2 | 104 | 0 | 2 | 0·22 | - 0·46 | 6·5 | — | 44 | 0 | 37 | 57·9 | - 0·4 | 56·5 | +0·2 | Cockle Park. |
| *a* Tynemouth | 96 | 67 | 21st | 49 | 17th | 63·7 | 51·3 | 57·1 | - 0·3 | 106 | 0 | 1 | 0·04 | - 0·57 | *6·9* | — | *46* | | | | | | | *Tynemouth.* |
| *p* Durham | 336 | 71 | 21st | 42 | 18th | 66·6 | 46·0 | 55·7 | - 1·9 | 96 | 0 | 2 | 0·19 | - 0·37 | 6·7 | + 1·9 | 45 | 0 | 39 | | | | | Durham. |
| *p* Rounton | 249 | 71 | 22nd | 42 | 18th | 66·2 | 46·2 | 55·6 | - 1·5 | 95 | 0 | 1 | 0·07 | - 0·56 | | | | 0 | 43 | 61·1 | | | | Rounton. |
| *a West Witton* | *605* | *71* | *22nd* | *44* | *18th* | *68·3* | *47·3* | *57·2* | — | *106* | *0* | *2* | *0·12* | — | | | | 0 | 39 | 59·8 | | 55·7 | | *West Witton.* |
| *p* Scarborough | 100 | 71 | 22nd | 52 | 22nd | 65·6 | 53·9 | 59·4 | + 1·2 | 122 | 0 | 2 | 1·04 | + 0·41 | 8·0 | — | 54 | | | | | 59·5† | | Scarborough. |
| *p* York | 56 | 72 | 21, 22 | 47 | 17th | 69·6 | 50·3 | 59·4 | + 0·6 | 122 | 0 | 2 | 0·22 | - 0·36 | 6·4 | + 1·5 | 44 | | | 61·3 | +1·1 | 58·6 | +1·1 | York. |
| | | | | | | | | | | | | | | | *4·4* | — | *30* | 0 | 41 | 59·0 | -1·8 | 57·7 | +1·1 | *Hull.* |
| *a* Spurn Head | 26 | 70 | 22nd | 54 | 18, 19, 22 | 67·7 | 55·0 | 61·0 | + 1·8 | 133 | 0 | 3 | 0·20 | - 0·25 | *7·1* | — | *48* | | | | | | | *Spurn Head.* |
| *a* Lincoln | 58 | 73 | 22nd | 47 | 18, 22 | 69·7 | 51·0 | 59·8 | + 0·4 | 125 | 0 | 2 | 0·32 | - 0·19 | | | | | | 63·8 | +2·0 | 59·9 | +1·8 | Lincoln. |
| *a* Fulbeck | 180 | 74 | 22nd | 43 | 18th | 70·4 | 48·4 | 58·7 | - 0·7 | 117 | 0 | 2 | 0·04 | - 0·53 | 7·9 | — | 54 | 0 | 42 | 63·0 | -1·7 | 58·9 | -0·5 | Rauceby. |
| | | | | | | | | | | | | | | | 8·2 | — | 56 | | | | | | | Skegness. |
| | | | | | | | | | | | | | | | *6·9* | — | *47* | 0 | 45 | 64·0 | -0·4 | 61·3 | +0·6 | *Lowestoft.* |
| **3. ENGLAND, E.** | | | | | | | | | | | | | | | 8·0 | — | 54 | | | | | | | Cromer. |
| *p* Cromer | 196 | 74 | 21st | 54 | 18, 19 | 66·7 | 55·4 | 60·7 | + 1·3 | 131 | 0 | 2 | 0·09 | — | | | | | | | | | | |
| *p* Little Massingham | 280 | 72 | 21, 22 | 46 | 18th | 68·0 | 50·1 | 58·5 | - 1·0 | 116 | 0 | 2 | 0·35 | - 0·29 | 7·5 | + 1·7 | 51 | 0 | 44 | | | | | Lit. Massingham. |
| *a* Yarmouth | 17 | 72 | 21st | 49 | 18th | 68·4 | 53·3 | 60·4 | + 0·5 | 129 | 0 | 1 | 0·08 | - 0·46 | 6·7 | — | 46 | | | 65·6 | -0·7 | 62·0 | -0·6 | Yarmouth. |
| *a* Norwich | 93 | 75 | 21, 22 | 45 | 18th | 69·3 | 50·4 | 59·3 | - 0·3 | 121 | 0 | 2 | 0·03 | — | *6·4* | — | *44* | 0 | 40 | 62·1 | | | | *Norwich.* |
| *a* Geldeston | 37 | 76 | 22nd | 46 | 19th | 69·0 | 50·1 | 59·0 | - 0·4 | 119 | 0 | 2 | 0·31 | - 0·20 | 5·6 | - 0·7 | 38 | | | | | | | Geldeston. |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Cambridge | 41 | 75 | 21, 22 | 42 | 18th | 71·9 | 50·6 | 60·6 | + 0·1 | 130 | 0 | 2 | 0·08 | - 0·45 | 8·4 | + 2·3 | 58 | 0 | 35 | 63·5 | 0·0 | 60·7 | 0·0 | Cambridge. |
| *a Felixstowe* | *10* | *72* | *20, 22* | *47* | *18th* | *68·7* | *54·0* | *60·9* | *0·0* | *132* | *0* | *2* | *0·05* | — | *6·7* | — | *46* | | | | | | | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 71 | 21st | 49 | 18th | 68·7 | 53·7 | 60·8 | - 0·2 | 132 | 0 | 2 | 0·08 | — | 6·5 | — | 45 | 0 | 45 | 62·4 | 0·0 | 61·1 | +0·2 | Clacton. |
| *a* Rothamsted | 424 | 74 | 16th | 42 | 18th | 70·6 | 49·0 | 59·2 | 0·0 | 120 | 0 | 2 | 0·08 | - 0·49 | 6·8 | + 0·5 | 47 | | | | | | | Rothamsted. |
| *a Shoeburyness* | *13* | *74* | *21st* | *52* | *19, 20* | *69·1* | *53·0* | *60·6* | - *1·6* | *130* | *0* | *0* | *0·00* | - *0·39* | *8·1* | — | *56* | 0 | 42 | 66·4 | -0·7 | | | *Southend.* |
| *p* Tottenham | 51 | 81 | 16th | 47 | 18th | 72·9 | 53·7 | 62·7 | + 1·8 | 145 | 0 | 0 | 0·00 | — | 7·3 | — | 51 | 0 | 43 | | | 62·2 | 0·0 | Tottenham. |
| **4. MIDLAND COUNTIES.** | | | | | | | | | | | | | | | *4·7* | — | *32* | 0 | 40 | 60·6 | -1·8 | 56·9 | -0·4 | *Huddersfield.* |
| *a* Harrogate | 476 | 70 | 22nd | 45 | 18th | 67·0 | 48·3 | 57·1 | + 0·1 | 106 | 0 | 2 | 0·07 | - 0·57 | 7·7 | — | 52 | 0 | 36 | 58·9 | +1·1 | 57·5 | +1·1 | Harrogate. |
| *a* Bawtry | 65 | 74 | 22nd | 43 | 18, 22 | 70·3 | 47·4 | 58·2 | - 0·9 | 113 | 0 | 3 | 0·24 | - 0·30 | 6·8 | + 2·0 | 46 | 0 | 39 | 60·7 | | 58·2 | | Worksop. |
| *p Buxton* | *987* | *67* | *16, 22* | *44* | *18th* | *65·1* | *47·4* | *55·7* | - *0·2* | *96* | *0* | *2* | *0·11* | - *0·90* | *5·1* | — | *35* | 0 | 40 | 59·2 | -0·7 | 57·3 | +1·9 | *Buxton.* |
| *a* Nottingham | 82 | 73 | 22nd | 43 | 18th | 70·3 | 49·6 | 59·3 | + 0·1 | 121 | 0 | 2 | 0·12 | - 0·43 | 6·9 | — | 47 | 0 | 40 | 61·4 | 0·0 | 60·1 | +0·4 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 70 | 16, 21 | 50 | 18th | 68·7 | 52·4 | 60·1 | + 1·7 | 127 | 0 | 1 | 0·14 | - 0·48 | 6·0 | — | 41 | 0 | 36 | 57·2 | -0·5 | 54·5 | +0·2 | Birmingham. |
| *a* Raunds | 203 | 76 | 21, 22 | 40 | 18th | 72·4 | 48·4 | 59·7 | + 0·1 | 124 | 0 | 2 | 0·09 | — | *7·4* | — | *51* | 0 | 35 | *63·1* | | 58·6 | | *Raunds.* |
| *p* Oxford | 208 | 72 | 16, 17, 22 | 46 | 18th | 71·1 | 51·6 | 60·8 | + 0·6 | 132 | 0 | 2 | 0·03 | - 0·50 | 6·8 | + 0·8 | 47 | 0 | 40 | | | | | Oxford. |
| | | | | | | | | | | | | | | | 5·4 | — | 37 | 0 | 41 | 59·5 | -0·6 | 56·7 | +0·5 | Sheffield. |
| *a* Cheadle | 646 | 70 | 16, 22 | 46 | 19th | 67·9 | 48·7 | 57·7 | + 0·7 | 110 | 0 | 0 | 0·00 | - 0·77 | | | | 0 | 44 | | | | | Cheadle. |
| *p* Shrewsbury | 191 | 73 | 16th | 43 | 22nd | 70·6 | 48·0 | 58·6 | - 0·3 | 116 | 0 | 2 | 0·29 | — | | | | 0 | 42 | | | | | Shrewsbury. |
| *a* Hereford§ | 291 | 73 | 18th | 43 | 18th | 70·6 | 48·6 | 58·9 | - 0·5 | 118 | 0 | 2 | 0·09 | - 0·46 | *6·6* | | *45* | 0 | 37 | 62·5 | | 61·1 | | *Malvern.*§ |
| *a* Cirencester | 446 | 71 | 18, 20–22 | 45 | 18th | 70·2 | 51·4 | 60·2 | + 1·9 | 127 | 0 | 2 | 0·03 | - 0·63 | 6·5 | + 0·6 | 45 | 0 | 43 | 60·7 | | 58·3 | | Cirencester. |
| *a* Bath | 66 | 73 | 18th | 46 | 18th | 71·4 | 51·0 | 60·6 | + 0·8 | 130 | 0 | 1 | 0·01 | - 0·62 | 7·3 | — | 51 | | | | | | | Bath. |
| **5. ENGLAND, S.E.** | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Kew | 18 | 74 | 22nd | 47 | 18th | 71·3 | 52·4 | 61·3 | + 0·5 | 135 | 0 | 2 | 0·12 | - 0·40 | 6·8 | + 0·7 | 47 | 0 | 44 | 65·7 | +1·9 | 61·4 | +0·5 | Canterbury. |
| *a* Marlborough | 424 | 71 | 16, 21 | 40 | 18th | 69·6 | 46·0 | 57·1 | - 0·9 | 106 | 0 | 1 | 0·02 | - 0·57 | 5·5 | - 0·3 | 38 | 0 | 36 | 61·3 | -1·9 | 59·2 | 0·0 | Kew. |
| *a* Margate | 35 | 72 | 22nd | 56 | 19th | 67·4 | 58·1 | 62·5 | + 1·0 | 144 | 0 | 0 | 0·00 | - 0·45 | 6·6 | + 0·4 | 46 | 0 | 38 | 62·4 | | 58·2 | | Marlborough. |
| *a* Wisley, Surrey | 150 | 76 | 22nd | 41 | 18th | 73·0 | 48·4 | 60·0 | - 1·3 | 126 | 0 | 1 | 0·02 | — | 7·4 | — | 51 | 0 | 51 | 65·1 | +1·7 | 63·5 | +3·1 | Margate. |
| | | | | | | | | | | | | | | | 8·3 | — | 53 | 0 | 33 | 62·1 | -1·4 | 59·8 | -1·2 | Wisley. |
| *p* Salisbury (Wilton) | 180 | 73 | 21st | 45 | 18th | 71·4 | 49·7 | 59·9 | - 0·9 | 125 | 0 | 1 | 0·03 | - 0·53 | 8·8 | — | 61 | 0 | 46 | 63·4 | -1·9 | 61·5 | +0·1 | Worthing. |
| *a* Tunbridge Wells | 418 | 75 | 22nd | 44 | 18th | 72·4 | 49·1 | 60·1 | + 0·2 | 127 | 0 | 2 | 0·15 | - 0·35 | | | | 0 | 44 | 64·3 | | | | Salisbury. |
| *a* Dungeness | 21 | 69 | 16, 17, 22 | 50 | 19, 21 | 68·0 | 53·4 | 60·3 | - 0·7 | 128 | 0 | 1 | 0·01 | - 0·44 | 7·0 | + 0·7 | 49 | 0 | 36 | 61·9 | -2·7 | 60·2 | | Tunbridge Wells |
| *p* Hastings | 178 | 73 | 16th | 51 | 18th | 70·1 | 54·3 | 61·7 | + 0·7 | 138 | 0 | 1 | 0·05 | - 0·49 | 8·2 | — | 57 | | | | | | | Littlestone. |
| *p* Southampton | 65 | 75 | 16th | 50 | 18th | 71·6 | 53·3 | 61·9 | - 0·3 | 139 | 0 | 1 | 0·01 | - 0·56 | *8·4* | + *1·5* | *58* | 0 | 45 | 65·0 | | 62·2 | | *Hastings.* |
| *a* Ventnor | 80 | 74 | 16th | 52 | 21st | 70·6 | 55·4 | 62·5 | + 0·5 | 144 | 0 | 1 | 0·02 | - 0·39 | 7·3 | + 0·6 | 51 | 0 | 46 | | | | | Southampton. |
| | | | | | | | | | | | | | | | 9·0 | + 2·3 | 63 | | | | | | | Ventnor. |
| | | | | | | | | | | | | | | | *8·1* | — | *56* | 0 | 45 | 63·6 | -2·4 | 62·5 | 0·0 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 8·1 | + 1·3 | 56 | | | 63·9 | | 62·2 | | Eastbourne. |
| | | | | | | | | | | | | | | | *8·2* | — | *57* | | | 62·9 | | 61·9 | | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | *8·5* | + *1·5* | *59* | 0 | 48 | | | 63·2 | | *Brighton.* |
| *a Westminster* | *27* | *74* | *16, 17, 22* | *52* | *20th* | *72·2* | *54·0* | *62·6* | + *1·5* | *144* | *0* | *1* | *0·03* | - *0·49* | *6·6* | + *1·1* | *46* | 0 | 46 | | | | | *Westminster.* |
| *a Greenwich* | *155* | *78* | *22nd* | *47* | *18th* | *74·3* | *53·0* | *63·0* | + *1·0* | *147* | *0* | *1* | *0·01* | - *0·48* | *7·5* | + *0·6* | *52* | 0 | 38 | | | | | *Greenwich.* |
| *a Hampstead* | *450* | *74* | *22nd* | *50* | *18th* | *70·2* | *52·4* | *60·8* | — | *132* | *0* | *1* | *0·05* | — | *7·3* | — | *51* | 0 | 43 | | | | | *Hampstead.* |
| *a Camden Square* | *110* | *79* | *17th* | *49* | *18th* | *76·0* | *52·9* | *63·8* | — | *153* | *0* | *1* | *0·03* | — | *6·8* | — | *47* | 0 | 44 | | | | | *Camden Square.* |
| | | | | | | | | | | | | | | | *6·0* | — | *41* | 0 | 40 | 58·5 | -0·8 | 56·1 | 0·0 | *Burnley.* |
| **7. *a*, ENGLAND, N.W.** | | | | | | | | | | | | | | | 5·9 | — | 40 | | | | | | | Hoylake. |
| *p* Aspatria | 250 | 72 | 18th | 43 | 16th | 69·0 | 47·6 | 57·7 | + 1·0 | 110 | 0 | 2 | 0·10 | - 0·90 | 7·4 | — | 50 | 0 | 39 | 60·6 | | 56·1 | | Aspatria. |
| *p* Newton Rigg | 559 | 73 | 18th | 39 | 16th | 69·0 | 43·4 | 55·4 | - 0·5 | 94 | 0 | 2 | 0·11 | - 0·67 | 9·2 | + 4·3 | 62 | 0 | 31 | 60·5 | +0·3 | 56·9 | +0·2 | Newton Rigg. |
| *p* Stonyhurst | 375 | 69 | 16, 17 | 47 | 18th | 67·9 | 49·3 | 58·0 | + 0·7 | 112 | 0 | 1 | 0·11 | - 0·97 | 6·2 | + 1·3 | 42 | 0 | 38 | | | | | Stonyhurst. |
| *p* Blackpool | 66 | 70 | 16th | 45 | 16th | 67·6 | 48·9 | 57·7 | - 0·9 | 110 | 0 | 1 | 0·17 | - 0·66 | 8·2 | + 2·9 | 56 | 0 | 41 | 59·9 | | 56·9 | | Blackpool. |
| *a Southport* | *37* | *71* | *22nd* | *47* | *17th* | *68·6* | *48·7* | *58·1* | - *0·4* | *113* | *0* | *2* | *0·05* | - *0·83* | *7·2* | + *1·6* | *49* | 0 | 41 | 62·8 | -0·8 | 62·1 | +0·6 | *Southport.* |
| *a* Liverpool (Bidston) | 188 | 70 | 22nd | 52 | 16th | 68·4 | 54·1 | 60·8 | + 2·4 | 132 | 0 | 2 | 0·16 | - 0·53 | *6·5* | — | *44* | | | | | | | *Liverpool.* |
| *a Hawarden Bridge* | *22* | *72* | *22nd* | *46* | *22nd* | *69·7* | *49·7* | *59·1* | - *0·7* | *130* | *0* | *2* | *0·22* | - *0·44* | *2·9* | — | *20* | 0 | 42 | 61·8 | +0·3 | 61·0 | +1·6 | *Manchester (City).* |
| *p* Manchester (Whit. Pk.) | 125 | 71 | 16th | 49 | 18th | 68·6 | 54·0 | 60·9 | + 2·4 | 132 | 0 | 1 | 0·12 | - 0·51 | *3·5* | - *0·7* | *24* | | | | | | | " *(Whit. Park).* |
| ***b* NORTH WALES.** | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 71 | 22nd | 51 | 18th | 69·6 | 53·9 | 61·3 | + 2·0 | 135 | 0 | 2 | 0·14 | - 0·51 | 8·1 | + 2·7 | 55 | | | | | | | Llandudno. |
| *a* Holyhead | 17 | 72 | 17th | 52 | 18, 19 | 68·4 | 54·3 | 60·9 | + 2·0 | 132 | 0 | 2 | 0·21 | - 0·49 | *9·2* | — | *63* | | | | | | | *Holyhead.* |
| *Bettws-y-Coed* | *101* | *73* | *20, 21* | *44* | *19th* | *70·0* | *50·6* | *59·7* | + *0·8* | *124* | *0* | *3* | *0·24* | — | *7·0* | — | *48* | | | 58·3 | -0·1 | 55·7 | +0·2 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 9·2 | — | 63 | | | | | | | Aberdovey. |

* For note see also opposite page.

† At 3 ft.

§ The temperature on the grass refers to Hereford

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | • | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 9·8 | — | 67 | | | | | | | |
| *a* Llangammarch Wells | 550 | 71 | 18th | 40 | 17th | 68·3 | 45·7 | 56·3 | − 0·8 | 100 | 0 | 2 | 0·58 | — | 5·4 | — | 37 | 0 | 36 | 59·6 | −0·3 | 56·1 | +0·3 | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 67 | 18th | 53 | 18th | 64·6 | 54·7 | 59·4 | + 0·7 | 122 | 0 | 3 | 0·67 | + 0·02 | 8·0 | + 1·7 | 55 | * | * | * | * | * | * | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 70 | 18. 20, 21 | 49 | 18th | 68·7 | 52·1 | 59·9 | − 0·4 | 125 | 0 | 1 | 0·13 | − 0·84 | *7·6* | — | *53* | 0 | 47 | 63·0 | −0·1 | 59·9 | 0·0 | Pembroke. *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 72 | 18, 20 | 51 | 18th | 70·7 | 54·7 | 62·2 | + 1·5 | 141 | 0 | 1 | 0·05 | − 0·74 | *7·2* | — | *50* | 0 | 49 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 70 | 18, 21 | 48 | 17th | 68·0 | 51·1 | 59·0 | + 0·3 | 119 | 0 | 1 | 0·01 | − 0·67 | * | * | * | * | * | 62·0 | * | 60·0 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 70 | 20th | 48 | 18th | 67·9 | 51·1 | 59·0 | + 1·3 | 119 | 0 | 1 | 0·24 | − 0·87 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *71* | *17th* | *50* | *20th* | *67·0* | *52·6* | *59·4* | *− 0·6* | *122* | *0* | *1* | *0·02* | *− 0·49* | 7·2 | + 0·9 | 50 | 0 | 48 | 64·0 | * | 59·8 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 73 | 20th | 45 | 18th | 71·7 | 51·4 | 60·9 | + 1·5 | 132 | 0 | 2 | 0·03 | − 0·65 | 6·6 | + 0·7 | 46 | 0 | 42 | 64·2 | * | * | * | Cullompton. |
| *a* Portland .. .. | 19 | 71 | 16th | 55 | 17th | 67·4 | 58·0 | 62·4 | + 1·5 | 143 | 0 | 1 | 0·01 | — | *8·1* | — | *56* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 71 | 16, 17 | 50 | 20th | 68·6 | 54·3 | 61·0 | + 0·6 | 133 | 0 | 1 | 0·21 | − 0·43 | 8·4 | + 2·0 | 58 | 0 | 44 | 65·2 | +0·3 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 71 | 20th | 53 | 20, 22 | 68·1 | 54·6 | 61·0 | + 1·1 | 133 | 0 | 1 | 0·04 | − 0·69 | 7·8 | + 0·9 | 54 | 0 | 47 | 66·0 | * | 62·4 | * | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Malin Head .. .. | 208 | 65 | 17th | 51 | 22nd | 62·7 | 54·0 | 58·1 | + 1·6 | 113 | 0 | 3 | 0·79 | − 0·01 | *6·2* | — | *42* | * | * | * | * | * | * | |
| *a*, West .. *a* Blacksod Point .. | 37 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | |
| *p* Markree Castle .. | 122 | 73 | 17th | 48 | 21st | 68·9 | 51·9 | 59·9 | + 3·7 | 125 | 0 | 2 | 0·63 | − 0·35 | 6·3 | + 2·1 | 42 | 0 | 44 | 62·4 | * | 57·3 | * | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 73 | 16, 17 | 50 | 22nd | 69·7 | 53·0 | 60·9 | + 3·3 | 132 | 0 | 3 | 0·35 | − 0·55 | *5·7* | + *1·1* | *39* | * | * | * | * | * | * | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 73 | 17, 18 | 42 | 17th | 70·3 | 48·7 | 58·9 | + 2·1 | 118 | 0 | 3 | 0·13 | − 0·74 | 7·0 | + 2·8 | 47 | 0 | 36 | 61·9 | +0·3 | 58·7 | +0·2 | Armagh. |
| *a* Donaghadee .. .. | 48 | 69 | 20th | 51 | 22nd | 64·3 | 53·0 | 58·3 | + 1·0 | 114 | 0 | 2 | 0·16 | − 0·63 | * | * | * | * | * | * | * | * | * | |
| | | | | | | | | | | | | | | | * | * | * | 0 | 41 | 62·5 | +1·0 | 59·0 | +0·3 | *Trinity Coll.* |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 8·5 | + 3·2 | 58 | 0 | 42 | * | * | * | * | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 71 | 20th | 48 | 17th | 67·7 | 53·6 | 60·2 | + 0·9 | 127 | 0 | 2 | 0·19 | − 0·56 | * | * | * | 0 | 48 | * | * | * | * | Dublin City. |
| *a*, East .. *a* Kilkenny .. .. | 212 | 73 | 17th | 48 | 17, 18 | 69·9 | 53·6 | 61·3 | + 3·3 | 135 | 0 | 4 | 0·93 | + 0·11 | * | * | * | * | * | * | * | * | * | |
| *a* Waterford .. .. | 20 | 72 | 18th | 46 | 17th | 69·3 | 53·0 | 60·7 | + 2·0 | 131 | 0 | 3 | 0·73 | − 0·16 | * | * | * | * | * | * | * | * | * | |
| *a Seskin, Carrick-on-Suir* | *541* | *71* | *18th* | *46* | *18th* | *68·0* | *52·4* | *59·7* | — | *124* | *0* | *5* | *0·88* | — | *6·5* | — | *45* | 0 | 38 | * | * | * | * | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 73 | 16, 17 | 50 | 22nd | 69·7 | 53·0 | 60·9 | + 3·3 | 132 | 0 | 3 | 0·35 | − 0·55 | 5·7 | + 1·1 | 39 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes .. .. | 50 | 75 | 16th | 52 | 16, 20 | 69·4 | 54·3 | 61·4 | + 3·0 | 136 | 0 | 4 | 1·10 | + 0·19 | * | * | * | * | * | * | * | * | * | |
| *a* Cahir .. .. | 199 | 73 | 17, 18 | 47 | 18th | 70·4 | 52·7 | 61·0 | + 3·0 | 133 | 0 | 4 | 0·68 | — | * | * | * | * | * | * | * | * | * | |
| *b*, West .. *a* Killarney .. | 174 | 76 | 18th | 53 | 20th | 71·3 | 55·8 | 63·1 | + 4·8 | 148 | 0 | 4 | 0·87 | − 0·18 | * | * | * | * | * | * | * | * | * | |
| *a* Valencia .. .. | 30 | 67 | 17th | 49 | 20th | 65·7 | 53·1 | 59·0 | + 0·4 | 119 | 0 | 3 | 1·02 | − 0·13 | 5·6 | + 0·6 | 38 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. .. | 32 | 67 | 21st | 52 | 18th | 65·4 | 54·9 | 59·8 | + 1·0 | 125 | 0 | 5 | 0·61 | − 0·29 | 4·7 | — | 33 | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 70 | 19th | 55 | 16, 17, 21 | 67·6 | 55·7 | 61·3 | + 0·6 | 135 | 0 | 4 | 0·14 | − 0·42 | 7·8 | + 0·4 | 51 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 75 | 19th | 56 | 18, 22 | 70·4 | 57·3 | 63·5 | + 0·9 | 151 | 0 | 0 | 0·00 | − 0·57 | 8·0 | + 0·1 | 56 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 73 | 19th | 53 | 18th | 70·3 | 56·7 | 63·1 | + 1·4 | 148 | 0 | 1 | 0·01 | − 0·59 | 8·0 | + 0·1 | 56 | 0 | 48 | 65·5 | +0·4 | 63·1 | +0·9 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 8·3 hrs. 58 %; Ramsgate, hrs. %; Rhyl, 7·8 hrs. 53 %; Salcombe, 8·9 hrs. 62 %; Tenby, 8·6 hrs. (+2·3) 59 %; Torquay, 8·6 hrs. (+1·8) 60 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Aug. 22nd.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | 49 | 48 | 48·6 | −4·8 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 64 | 60 | 61·5 | +4·4 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 52 | 48 | 50·2 | −5·0 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 59 | 57 | 58·6 | −4·4 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 65 | 65 | 65·0 | +0·7 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 61 | 58 | 58·8 | +1·5 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 61 | 58 | 59·3 | — |
| Plymouth‡ .. .. | 64 | 63 | 63·0 | +2·0 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | — | — | — | — |
| Seafield .. .. | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, August 22nd.

| DISTRICT AND STATION | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h.m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | — | — | — | 168 | SSE. 4 | 20th 14h. | 9 22nd 17 . 35 |
| Aberdeen .. .. | 105 | — | — | — | — | 2 | 166 | S. by E. 6 | 20th 16h. | 11 20th 16 . 20 |
| Rosyth .. .. | 73 | — | — | — | — | 11 | 157 | SE. by E. 7 | 16th 13h. | 11 16th 13 . 45 |
| **6.** ENGLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | — | — | 12 | 156 | SSW. 8 | 22nd 19h. | 12 22nd 18 . 35 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | — | 168 | E. 5 | 16th 17h. | 10 22nd 19 . 50 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | — | 168 | SE. 4 | 20th 16h. | 7 18th 14 . 10 |
| South Shields .. | 61 | — | — | — | — | 11 | 157 | SE. 8 | 20th 14,15h. | 9 20th 15 . 10 |
| Spurn Head .. | 40 | — | — | — | — | ? 32 | †136 | W. 7 | 21st 15h. | 13 21st 15 . 30 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | — | — | 27§ | 80§ | — 10 ? | 16th 13h. | 12? 16th 14 . 20 |
| Shoeburyness .. | 90 | — | — | 16th | 6§ | 19§ | 140§ | N.E. by E. 12 | 16th 14h. | 15 16th 15 . 45 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 16, 17 | 13 | 51 | 104 | — 12 | 16th 13h. | 17 16th 13 . 50 |
| Warlingham .. | 33 | — | — | — | — | 9 | 159 | — 7 | 16th 13h. | 14 22nd 23 . 25 |
| Brighton .. .. | 53 | — | — | — | — | 19 | 149 | — 9 | 16th 12h. | 14 16th 11 . 5 |
| Kew .. .. .. | 40 | — | — | — | — | 12§ | 133§ | ENE. 7 | 16th 14h. | 13 16th 13 . 25 |
| South Kensington | 92 | — | — | — | — | 6 | 162 | ENE. 7 | 16th 13h. | 12 16th 11 . 40 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | — | 168 | WSW. 2 | 22nd 17h. | 6 16th 10 . 15 |
| Southport .. .. | 62 | — | — | — | — | 21 | 147 | WSW. 8 | 22nd 16h. | 11 22nd 16 . 25 |
| Holyhead .. .. | 40 | — | — | — | — | 40 | 128 | S. 10 | 22nd 20h. | 14 22nd 20 . 35 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle .. | 65 | — | — | 22nd | 1 | 19 | 148 | SW. 11 | 22nd 16h. | 14 22nd 15 . 40 |
| Plymouth .. .. | 86 | — | — | — | — | 6 | 162 | — 6 | 17th 14h. | 8 22nd 18 . 55 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 22 | 4 | 18 | 146 | — 13 | 22nd 10h. | 17 22nd 10 . 5 |
| Weaver Pt. † .. | 30 | — | — | — | — | — | — | — — | — — | — — — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly .. .. .. | 19 | — | — | — | — | — | — | — — | — — | — — — |

† The Anemograph from Roche's Point has been moved to Crosshaven Hill near Weaver Pt. on the W. of Cork Harbour.

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**THIRTY-THIRD WEEK**—August 16th to August 22nd, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest. | Lowest. | Means of | | | | Accumulated Number of Day-Degrees. | | | | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | | | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | | | | | | | | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 74 | 44 | 62·3 | 49·7 | 55·6 | + 0·8 | 95 | + 6 | 0 | 0 | 2 | − 3 | 0·26 | −0·66 | 5·2 | +1·3 | 34 | 1020 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 82 | 34 | 65·7 | 46·8 | 55·6 | − 0·3 | 95 | − 3 | 0 | 0 | 2 | − 2 | 0·24 | −0·50 | 5·7 | +0·8 | 37 | 1020 |
| 2. ENGLAND, N.E. ... ... | 74 | 42 | 67·2 | 50·1 | 58·2 | + 0·2 | 113 | + 1 | 0 | 0 | 2 | − 2 | 0·26 | −0·32 | 7·3 | +2·0 | 49 | 1020 |
| 3. ENGLAND, EAST ... | ?81 | 42 | 69·5 | 51·8 | 60·1 | + 0·1 | 127 | + 1 | 0 | 0 | 2 | − 1 | 0·12 | −0·43 | 7·1 | +1·0 | 49 | 1019 |
| 4 MIDLAND COUNTIES ... | 76 | 43 | 70·0 | 49·6 | 59·2 | + 0·1 | 120 | + 1 | 0 | 0 | 2 | − 2 | 0·10 | −0·49 | 6·7 | +1·2 | 46 | 1020 |
| 5. ENGLAND, S.E. ... ... | 76 | 40 | 70·5 | 52·0 | 60·7 | − 0·4 | 131 | − 3 | 0 | 0 | 1 | − 2 | 0·05 | −0·50 | 7·5 | +1·0 | 52 | 1019 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 72 | 40 | 67·7 | 49·6 | 58·1 | + 1·4 | 113 | + 10 | 0 | 0 | 2 | − 3 | 0·48 | −0·55 | 6·3 | +1·1 | 42 | 1020 |
| 7. ENGLAND, N.W. ... ... | 73 | 39 | 68·6 | 50·7 | 59·1 | + 0·8 | 120 | + 5 | 0 | 0 | 2 | − 2 | 0·14 | −0·66 | 7·7 | +2·6 | 53 | 1019 |
| 8. ENGLAND, S.W. ... ... | 73 | 40 | 68·4 | 52·8 | 60·1 | + 0·8 | 127 | + 5 | 0 | 0 | 1 | − 3 | 0·20 | −0·53 | 7·6 | +1·4 | 53 | 1019 |
| 9. IRELAND, NORTH ... | 73 | 42 | 67·2 | 52·1 | 59·2 | + 2·1 | 120 | + 15 | 0 | 0 | 3 | − 2 | 0·41 | −0·50 | 6·7 | +2·2 | 45 | 1018 |
| 10. IRELAND, SOUTH ... | 76 | 46 | 68·8 | 53·8 | 60·8 | + 2·4 | 132 | + 17 | 0 | 0 | 4 | 0 | 0·72 | −0·25 | 6·1 | +1·0 | 42 | 1019 |
| 11. ENGLISH CHANNEL ... | 75 | 53 | 69·4 | 56·6 | 62·6 | + 0·9 | 144 | + 8 | 0 | 0 | 2 | − 2 | 0·05 | −0·55 | 7·9 | 0·0 | 56 | 1019 |

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 12 Weeks, May 31st to August 22nd, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 37 | * | * | * | * | 1088 | + 91 | 0 | − 4 | 47 | − 4 | 6·22 | −2·80 | 4·7 | +0·2 | 28 | 1013 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 30 | * | * | * | * | 1191 | + 70 | 0 | − 3 | 36 | − 8 | 6·22 | −1·11 | 5·7 | +0·2 | 34 | 1014 |
| 2. ENGLAND, N.E. ... ... | 85 | 33 | * | * | * | * | 1358 | + 99 | 0 | 0 | 33 | − 5 | 7·03 | +0·88 | 6·3 | +0·2 | 39 | 1015 |
| 3. ENGLAND, EAST ... | 87 | 38 | * | * | * | * | 1529 | +109 | 0 | 0 | 34 | − 1 | 4·90 | −1·05 | 6·9 | +0·2 | 43 | 1015 |
| 4. MIDLAND COUNTIES ... | 88 | 35 | * | * | * | * | 1449 | + 66 | 0 | − 1 | 36 | − 1 | 7·02 | +0·76 | 6·1 | +0·1 | 38 | 1015 |
| 5. ENGLAND, S.E. ... ... | 90 | 36 | * | * | * | * | 1537 | + 43 | 0 | 0 | 31 | − 2 | 5·21 | −0·46 | 7·4 | +0·5 | 47 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 35 | * | * | * | * | 1272 | + 79 | 0 | − 1 | 39 | − 6 | 6·59 | −2·82 | 5·9 | +0·1 | 36 | 1014 |
| 7. ENGLAND, N.W. ... ... | 86 | 36 | * | * | * | * | 1382 | + 73 | 0 | 0 | 38 | − 3 | 7·25 | −0·39 | 6·5 | +0·4 | 40 | 1015 |
| 8. ENGLAND, S.W. ... ... | 86 | 34 | * | * | * | * | 1420 | + 36 | 0 | 0 | 44 | + 4 | 9·64 | +2·34 | 6·4 | −0·2 | 40 | 1015 |
| 9. IRELAND, NORTH ... | 80 | 35 | * | * | * | * | 1244 | + 38 | 0 | 0 | 47 | − 3 | 6·61 | −1·95 | 5·1 | +0·1 | 31 | 1014 |
| 10. IRELAND, SOUTH ... | 81 | 39 | * | * | * | * | 1389 | + 53 | 0 | 0 | 48 | + 5 | 7·59 | −0·79 | 5·6 | 0·0 | 35 | 1016 |
| 11. ENGLISH CHANNEL ... | 84 | 42 | * | * | * | * | 1502 | + 7 | 0 | 0 | 40 | 0 | 6·58 | +0·63 | 6·9 | −1·1 | 44 | 1016 |

THE YEAR.—Aggregates, &c., for the Period of 33 Weeks, January 4th, 1914, to August 22nd, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 1537 | +152 | 391 | −166 | 149 | − 2 | 28·50 | −0·80 | 3·6 | 0·0 | 27 | 1009 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 1778 | +193 | 492 | −128 | 119 | − 5 | 18·15 | +0·04 | 4·5 | +0·2 | 33 | 1010 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 2080 | +342 | 299 | −176 | 108 | − 4 | 13·98 | −0·22 | 4·9 | +0·3 | 37 | 1012 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 2310 | +287 | 299 | −222 | 104 | − 4 | 13·47 | −0·34 | 5·3 | +0·3 | 41 | 1014 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 2245 | +231 | 367 | −166 | 110 | + 2 | 15·25 | −0·22 | 4·6 | +0·1 | 35 | 1014 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 2369 | +203 | 240 | −141 | 105 | + 3 | 17·02 | +2·20 | 5·6 | +0·6 | 43 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 1865 | +156 | 317 | −108 | 134 | + 3 | 25·28 | −1·34 | 4·3 | −0·1 | 32 | 1010 |
| 7. ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 2083 | +232 | 227 | −159 | 120 | + 1 | 19·41 | −0·02 | 4·8 | +0·3 | 36 | 1013 |
| 8. ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 2243 | +183 | 192 | −109 | 129 | +12 | 26·31 | +5·41 | 5·0 | +0·1 | 38 | 1014 |
| 9. IRELAND, NORTH ... | 80 | 25 | * | * | * | * | 1922 | +133 | 246 | − 99 | 146 | + 4 | 22·60 | +0·63 | 4·1 | 0·0 | 31 | 1011 |
| 10. IRELAND, SOUTH ... | 81 | 24 | * | * | * | * | 2231 | +163 | 174 | − 85 | 145 | +19 | 24·42 | +1·11 | 4·6 | +0·1 | 35 | 1013 |
| 11. ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 2501 | +182 | 72 | − 37 | 123 | − 1 | 19·96 | +2·59 | 5·6 | −0·4 | 43 | 1015 |

M.O., August 26, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 133

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) } No. 34. THIRTY-FOURTH WEEK, SUNDAY, AUGUST 23RD, TO SATURDAY, AUGUST 29TH, 1914. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

The distribution of pressure was mainly cyclonic, and the weather was therefore of a generally unsettled character. In the earlier half of the period two depressions of moderate intensity skirted our extreme western and north-western coasts, and occasioned strong winds from the Southward in Ireland and Scotland; while in the brief interval separating the passage of these systems a small secondary disturbance advanced in a north-north-easterly direction from the Bay of Biscay to the east of England. Between Sunday and Wednesday thunderstorms occurred at several of the English stations, and heavy rain was experienced at many places situated in the western and northern parts of the United Kingdom. On the 23rd a fall of 1·2 in. was recorded at Killarney, and 1·3 in. at Fort William; on the 24th 1·1 in. at Scarborough; and on the 25th 1·1 in. at Valencia, and 1·3 in. at Douglas (I.O.M.) and Arlington.

In the latter half of the week a large anticyclone extended slowly over the United Kingdom from the southward, and the wind became generally South-Westerly or Westerly. A decided improvement in the weather now took place over England, but in Ireland and Scotland the conditions remained unsettled, with heavy falls of rain in places. On the 29th 1·1 in. was recorded at Valencia and at Dublin (Phœnix Park).

Throughout the week a good deal of fog or mist prevailed on various parts of our coasts, more especially in the north and east. A brilliant meteor was seen at Newquay on the evening of the 29th.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Unusual | Unusual | Very unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual |
| | Rainfall ... | Moderate | Moderate | Moderate | Light | Moderate | Light | Heavy | Moderate | Moderate | Heavy | Heavy | Moderate |
| | Sunshine ... | Abundant | Moderate | Moderate | Moderate | Abundant | Moderate | Moderate | Abundant | Moderate | Abundant | Scanty | Abundant |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 13 weeks from May 31st, 1914. | Warmth ... | 5 * 0 | 6 * 3 | 6 * 1 | 6 * 1 | 5 * 2 | 5 * 2 | 7 * 2 | 5 * 1 | 5 * 2 | 6 * 1 | 4 * 2 | 5 * 3 |
| | Rainfall ... | 2 * 4 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 4 | 2 * 4 | 2 * 7 | 4 * 3 | 5 * 3 | 2 * 7 | 4 * 2 | 7 * 3 |
| | Sunshine ... | 6 * 2 | 4 * 3 | 4 * 5 | 5 * 3 | 6 * 5 | 5 * 2 | 3 * 4 | 6 * 4 | 3 * 5 | 5 * 3 | 4 * 4 | 1 * 6 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMMER, 1913. June 1st–Aug. 30th. 13 weeks. | Warmth ... | 4 * 3 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 5 | 2 * 6 | 3 * 4 | 3 * 5 | 5 * 5 | 3 * 5 | 4 * 4 | 1 * 6 |
| | Rainfall ... | 2 * 8 | 1 * 9 | 0 *10 | 1 * 5 | 0 * 9 | 1 * 9 | 2 * 7 | 3 * 8 | 1 *11 | 1 * 8 | 2 * 9 | 1 * 5 |
| | Sunshine ... | 4 * 5 | 4 * 4 | 4 * 7 | 2 * 7 | 2 * 8 | 1 * 7 | 5 * 5 | 6 * 5 | 3 * 4 | 6 * 6 | 5 * 4 | 3 * 9 |
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth .. | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| | Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3 * 1 | 6 * 0 | 8 * 1 | 8 * 2 | 6 * 1 | 7 * 1 | 5 * 3 | 5 * 1 | 8 * 1 | 6 * 3 | 6 * 2 | 9 * 1 |
| | Rainfall ... | 5 * 2 | 5 * 5 | 4 * 6 | 4 * 5 | 4 * 5 | 5 * 4 | 6 * 4 | 4 * 5 | 7 * 6 | 5 * 5 | 4 * 6 | 6 * 5 |
| | Sunshine ... | 4 * 4 | 4 * 2 | 3 * 2 | 6 * 5 | 4 * 5 | 4 * 1 | 4 * 2 | 4 * 2 | 4 * 2 | 4 * 4 | 4 * 4 | 4 * 4 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(2360—19.) Wt. 229—611. 450. 9/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | **Temperature of the Air.** In Degrees Fahrenheit. | | | | | | | | | **Rainfall.** | | | **Bright Sunshine.** Hours per Day. | | | **Ground Temperature.** | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| **0.** SCOTLAND, N. | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| *p Baltasound* | *31* | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | *Baltasound.* |
| *a* Lerwick | 54 | 63 | 27th | 50 | 29th | 60·1 | 53·0 | 56·3 | + 4·2 | 109 | 0 | 4 | 0·67 | — | 5·5 | + 1·7 | 37 | * | * | * | * | * | * | Deerness. |
| *a* Stornoway | 51 | 65 | 26th | 45 | 29th | 63·6 | 52·4 | 57·7 | + 3·9 | 110 | 0 | 5 | 0·79 | − 0·17 | 5·5 | + 1·3 | 37 | * | * | * | * | * | * | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *62* | *23rd* | *51* | *29th* | *59·9* | *54·6* | *57·1* | + *2·7* | *106* | *0* | *4* | *1·10* | — | *4·5* | — | *31* | * | * | * | * | * | * | *Castlebay.* |
| *a* Wick | 81 | 69 | 23rd | 45 | 29th | 61·7 | 51·3 | 56·2 | + 2·2 | 99 | 0 | 4 | 0·35 | − 0·29 | * | * | * | * | * | * | * | * | * | |
| *p* Strathpeffer | 200 | 69 | 23, 27 | 44 | 29th | 66·7 | 51·0 | 58·4 | + 3·6 | 115 | 0 | 5 | 0·64 | + 0·06 | 4·6 | + 0·7 | 31 | * | * | * | * | * | * | Strathpeffer. |
| *p* Glencarron | 500 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | |
| *p* Fort Augustus | 68 | 68 | 23, 25 | 42 | 29th | 65·1 | 52·4 | 58·4 | + 3·1 | 115 | 0 | 4 | 0·90 | + 0·08 | 3·7 | + 0·8 | 25 | * | * | * | * | * | * | Fort Augustus. |
| *p* Fort William | 175 | 71 | 25th | 47 | 27th | 65·6 | 52·0 | 58·4 | + 2·9 | 115 | 0 | 6 | 1·72 | + 0·28 | * | * | * | * | * | * | * | * | * | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | 4·4 | — | 30 | 0 | 35 | 59·6 | +2·4 | 56·6 | +0·9 | Crathes S. |
| *p* Gordon Castle | 101 | 74 | 23rd | 46 | 29th | 68·3 | 50·9 | 59·1 | + 3·5 | 120 | 0 | 5 | 0·30 | − 0·43 | *4·2* | — | *29* | * | * | * | * | * | * | *Gordon Castle.* |
| *a* Nairn | 82 | 71 | 23rd | 41 | 29th | 67·0 | 51·0 | 58·5 | + 3·1 | 116 | 0 | 4 | 0·30 | − 0·25 | 5·2 | — | 36 | * | * | * | * | * | * | Nairn. |
| *a* Aberdeen | 46 | 76 | 23rd | 49 | 25th | 67·4 | 53·0 | 59·8 | + 4·1 | 125 | 0 | 4 | 0·08 | − 0·55 | 5·2 | + 0·4 | 36 | * | * | * | * | 55·2 | +1·0 | Aberdeen. |
| *a* Balmoral | 930 | 73 | 27th | 40 | 25th | 69·4 | 46·1 | 57·1 | + 4·6 | 106 | 0 | 3 | 0·13 | − 0·68 | * | * | * | 0 | 38 | * | * | * | * | Balmoral. |
| *p* Crieff | 432 | 71 | 23rd | 49 | 25, 27, 28 | 66·6 | 51·1 | 58·4 | + 1·9 | 115 | 0 | 6 | 0·65 | − 0·28 | 4·3 | — | 30 | * | * | * | * | * | * | Balruddery. |
| *a* Leith | 18 | 75 | 23rd | 47 | 25th | 68·6 | 53·9 | 60·8 | + 3·1 | 132 | 0 | 5 | 0·79 | + 0·17 | * | * | * | * | * | * | * | * | * | |
| *a* West Linton | 800 | 71 | 23rd | 37 | 25th | 65·6 | 47·3 | 55·9 | + 1·7 | 97 | 0 | 6 | 0·90 | — | *5·0* | — | *35* | 0 | 33 | * | * | * | * | *West Linton.* |
| *p* Marchmont | 498 | 71 | 27th | 45 | 25, 28 | 68·1 | 49·7 | 58·4 | + 3·6 | 115 | 0 | 4 | 0·92 | + 0·17 | 3·7 | − 1·0 | 26 | 0 | 42 | * | * | * | * | Marchmont. |
| *a Edinburgh* | *441* | *75* | *23rd* | *50* | *27th* | *67·7* | *54·4* | *60·7* | — | *131* | *0* | *6* | *0·78* | — | 6·0 | — | 42 | 0 | 40 | * | * | * | * | Edinburgh. |
| **6.** *a*, SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 68 | 23rd | 47 | 23rd | 63·4 | 51·0 | 56·8 | + 0·4 | 104 | 0 | 5 | 1·66 | + 0·56 | * | * | * | * | * | * | * | * | * | |
| *p* Glasgow Observatory | 180 | 70 | 23rd | 50 | 27th | 65·4 | 53·7 | 59·2 | + 3·4 | 120 | 0 | 5 | 1·23 | + 0·33 | 5·5 | + 1·4 | 38 | 0 | 41 | * | * | * | * | Glasgow. |
| *p* Rothesay | 90 | 70 | 23rd | 49 | 25th | 65·1 | 52·1 | 58·2 | + 2·0 | 113 | 0 | 7 | 1·39 | + 0·21 | *4·9* | — | *34* | 0 | 47 | 60·6 | * | 56·5 | +0·5 | *Rothesay.* |
| *a* Kilmarnock | 90 | 73 | 23rd | 45 | 27th | 66·9 | 51·9 | 59·0 | + 3·1 | 119 | 0 | 5 | 1·58 | — | *6·3* | — | *44* | * | * | * | * | * | * | *Kilmarnock.* |
| *a* Colmonell | 150 | 74 | 23rd | 48 | 25th | 67·6 | 54·0 | 60·4 | + 3·6 | 129 | 0 | 6 | 1·80 | + 0·83 | * | * | * | 0 | 45 | * | * | * | * | |
| *p* Dumfries | 160 | 69 | 23, 25, 29 | 46 | 28th | 67·7 | 53·0 | 59·9 | + 2·5 | 125 | 0 | 6 | 1·36 | + 0·48 | *5·5* | — | *38* | 0 | 42 | 61·3 | * | 60·0 | * | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 70 | 27th | 45 | 27th | 67·0 | 48·9 | 57·4 | + 1·9 | 108 | 0 | 6 | 2·12 | + 1·06 | * | * | * | * | * | * | * | * | * | |
| *b*, I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 66 | 24, 26 | 53 | 25, 28 | 64·3 | 54·9 | 59·3 | + 3·0 | 121 | 0 | 5 | 2·15 | + 1·20 | 5·4 | + 0·1 | 38 | 0 | 49 | * | * | * | * | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 76 | 24th | 47 | 25, 28 | 69·7 | 52·3 | 60·5 | + 4·4 | 130 | 0 | 4 | 0·86 | + 0·18 | 5·6 | — | 39 | 0 | 40 | 59·6 | +3·3 | 56·7 | +1·0 | Cockle Park. |
| *a* Tynemouth | 96 | 75 | 24th | 51 | 28th | 69·3 | 53·9 | 61·1 | + 4·1 | 134 | 0 | 5 | 0·59 | 0·00 | *6·0* | — | *42* | * | * | * | * | * | * | *Tynemouth.* |
| *p* Durham | 336 | 74 | 27th | 44 | 28th | 70·6 | 52·1 | 60·8 | + 3·7 | 132 | 0 | 5 | 0·45 | − 0·10 | 6·4 | + 1·7 | 44 | 0 | 41 | * | * | * | * | Durham. |
| *p* Rounton | 249 | 75 | 24th | 48 | 27th | 71·7 | 53·2 | 61·9 | + 5·4 | 139 | 0 | 5 | 0·30 | − 0·28 | * | * | * | 0 | 46 | 62·3 | * | * | * | Rounton. |
| *a West Witton* | *605* | *76* | *24th* | *47* | *28th* | *70·9* | *53·9* | *61·9* | — | *139* | *0* | *4* | *0·47* | — | * | * | * | 0 | 43 | 60·6 | * | 55·8 | * | *West Witton.* |
| *p* Scarborough | 100 | 77 | 24th | 52 | 28th | 69·4 | 56·7 | 62·7 | + 4·9 | 145 | 0 | 4 | 1·40 | + 0·80 | 4·8 | — | 34 | * | * | * | * | 59·5† | * | Scarborough. |
| *p* York | 56 | 77 | 23, 24 | 50 | 27th | 72·6 | 55·0 | 63·3 | + 5·1 | 149 | 0 | 4 | 0·55 | − 0·01 | 4·6 | − 0·1 | 32 | * | * | 61·8 | +2·4 | 58·9 | +1·3 | York. |
| *a* Spurn Head | 26 | 79 | 24th | 55 | 23, 26 | 70·9 | 56·4 | 63·2 | + 4·3 | 148 | 0 | 4 | 0·47 | + 0·02 | *2·8* | — | *20* | 0 | 46 | 60·7 | +1·4 | 58·0 | +1·2 | *Hull.* |
| *a* Lincoln | 58 | 79 | 24th | 51 | 27, 28 | 73·9 | 54·7 | 63·7 | + 4·6 | 152 | 0 | 2 | 0·19 | − 0·31 | *4·3* | — | *30* | * | * | * | * | * | * | *Spurn Head.* |
| *a* Fulbeck | 180 | 77 | 23, 24 | 48 | 27th | 73·9 | 53·4 | 63·0 | + 4·0 | 147 | 0 | 2 | 0·23 | − 0·33 | * | * | * | * | * | 63·6 | +3·2 | 60·2 | +2·1 | Lincoln. |
| | | | | | | | | | | | | | | | 5·6 | — | 40 | 0 | 47 | 63·9 | +1·3 | 5·.1 | −0·3 | Rauceby. |
| | | | | | | | | | | | | | | | 5·4 | — | 38 | * | * | * | * | * | * | Skegness. |
| | | | | | | | | | | | | | | | *5·4* | * | *38* | 0 | 49 | 65·0 | +2·1 | 61·3 | +0·8 | *Lowestoft.* |
| *p* Cromer | 196 | 77 | 24th | 53 | 26th | 69·6 | 56·3 | 62·6 | + 4·1 | 144 | 0 | 3 | 0·37 | — | 5·8 | — | 41 | * | * | * | * | * | * | Cromer. |
| *p* Little Massingham | 280 | 79 | 24th | 52 | 26, 29 | 71·9 | 55·1 | 63·0 | + 4·1 | 147 | 0 | 4 | 0·18 | − 0·45 | 4·9 | − 0·8 | 35 | 0 | 50 | * | * | * | * | Lit. Massingham. |
| *a* Yarmouth | 17 | 75 | 23rd | 52 | 23, 26 | 70·0 | 54·9 | 62·0 | + 2·6 | 140 | 0 | 3 | 0·39 | − 0·14 | 5·1 | — | 36 | * | * | 65·9 | +1·8 | 62·0 | −0·3 | Yarmouth. |
| *a* Norwich | 93 | 82 | 24th | 52 | 26th | 74·4 | 57·0 | 65·2 | + 5·6 | 162 | 0 | 2 | 0·12 | — | *4·9* | — | *35* | 0 | 48 | 63·3 | * | * | * | *Norwich.* |
| *a* Geldeston | 37 | 81 | 25, 29 | 52 | 26th | 74·9 | 57·0 | 65·4 | + 6·4 | 164 | 0 | 3 | 0·12 | − 0·38 | 4·3 | − 1·7 | 31 | * | * | * | * | * | * | Geldeston. |
| *p* Cambridge | 41 | 80 | 29th | 48 | 29th | 74·3 | 53·1 | 63·1 | + 3·1 | 148 | 0 | 2 | 0·14 | − 0·38 | 5·1 | − 0·8 | 36 | 0 | 41 | 63·3 | +1·2 | 60·9 | +0·4 | Cambridge. |
| *a Felixstowe* | *10* | *79* | *24, 25* | *54* | *27th* | *72·6* | *57·7* | *64·7* | + *4·2* | *159* | *0* | *1* | *0·11* | — | *5·8* | — | *41* | * | * | * | * | * | * | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 78 | 25th | 53 | 27, 28 | 70·7 | 56·4 | 63·1 | + 2·4 | 148 | 0 | 2 | 0·12 | — | 5·1 | — | 36 | 0 | 49 | 63·5 | +2·0 | 61·1 | +0·5 | Clacton. |
| *a* Rothamsted | 424 | 78 | 24th | 48 | 29th | 72·3 | 53·3 | 62·2 | + 3·6 | 141 | 0 | 4 | 0·18 | − 0·39 | 5·4 | − 0·5 | 38 | * | * | * | * | * | * | Rothamsted. |
| *a Shoeburyness* | *13* | *76* | *24, 25* | *50* | *29th* | *72·0* | *56·4* | *63·7* | + *2·0* | *152* | *0* | *3* | *0·10* | − *0·22* | *5·7* | — | *40* | 0 | 43 | 67·4 | +1·5 | * | * | *Southend.* |
| *p* Tottenham | 51 | 81 | 29th | 54 | 29th | 74·1 | 56·9 | 65·0 | + 4·8 | 161 | 0 | 2 | 0·17 | — | 5·1 | — | 36 | 0 | 48 | * | * | 62·7 | +0·4 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate | 476 | 73 | 23rd | 48 | 28th | 69·7 | 54·6 | 61·7 | + 5·2 | 138 | 0 | 4 | 0·59 | − 0·04 | *4·9* | — | *34* | 0 | 44 | 61·2 | +0·7 | 57·1 | −0·3 | *Huddersfield.* |
| *a* Bawtry | 65 | 77 | 23, 24 | 48 | 28th | 72·9 | 52·9 | 62·3 | + 3·9 | 142 | 0 | 3 | 1·15 | + 0·63 | 5·6 | — | 39 | 0 | 44 | 59·6 | +2·8 | 58·0 | +1·9 | Harrogate. |
| *p Buxton* | *987* | *71* | *23rd* | *46* | *28th* | *66·4* | *53·4* | *59·5* | + *4·2* | *123* | *0* | *3* | *1·14* | + *0·14* | 5·3 | + 0·7 | 37 | 0 | 43 | 60·8 | * | 58·2 | * | Worksop. |
| *a* Nottingham | 82 | 76 | 23rd | 47 | 28th | 72·9 | 52·4 | 62·0 | + 3·4 | 140 | 0 | 3 | 0·87 | + 0·33 | *5·2* | — | *36* | 0 | 45 | 60·3 | +1·8 | 57·7 | +2·2 | *Buxton.* |
| *p* Birmingham, Edgbsn. | 535 | 73 | 23rd | 49 | 28th | 69·9 | 54·3 | 61·6 | + 3·4 | 137 | 0 | 3 | 0·60 | − 0·01 | 5·0 | — | 36 | 0 | 45 | 62·3 | +2·7 | 60·4 | +1·0 | Nottingham. |
| *a* Raunds | 203 | 82 | 29th | 46 | 28th | 75·7 | 51·7 | 63·0 | + 4·2 | 147 | 0 | 3 | 0·45 | — | 5·7 | — | 40 | 0 | 34 | 58·0 | +1·4 | 54·9 | +0·3 | Birmingham. |
| *p* Oxford | 208 | 79 | 24th | 50 | 28, 29 | 73·6 | 55·4 | 64·0 | + 4·4 | 154 | 0 | 2 | 0·41 | − 0·09 | *6·1* | — | *43* | 0 | 40 | 63·1 | * | 58·5 | * | *Raunds.* |
| | | | | | | | | | | | | | | | 6·9 | + 1·1 | 49 | 0 | 43 | * | * | * | * | Oxford. |
| | | | | | | | | | | | | | | | 5·9 | * | 41 | 0 | 45 | 60·5 | +1·7 | 56·9 | +1·1 | Sheffield. |
| *a* Cheadle | 646 | 78 | 29th | 48 | 28th | 70·7 | 53·6 | 61·6 | + 5·1 | 137 | 0 | 3 | 1·21 | + 0·45 | * | * | * | 0 | 46 | * | * | * | * | Cheadle. |
| *p* Shrewsbury | 191 | 75 | 23rd | 43 | 28th | 71·1 | 54·9 | 62·0 | + 3·6 | 140 | 0 | 3 | 1·07 | — | * | * | * | 0 | 44 | * | * | * | * | Shrewsbury. |
| *a* Hereford§ | 291 | 73 | 29th | 42 | 28th | 70·6 | 52·6 | 61·1 | + 2·2 | 134 | 0 | 3 | 0·54 | − 0·01 | *7·1* | * | *50* | 0 | 36 | 63·0 | * | 61·3 | * | *Malvern.*§ |
| *a* Cirencester | 446 | 74 | 23rd | 46 | 28, 29 | 71·0 | 52 6 | 61·3 | + 3·6 | 135 | 0 | 2 | 0·32 | − 0·33 | 7·0 | + 1·3 | 50 | 0 | 41 | 61·2 | * | 58·8 | * | Cirencester. |
| *a* Bath | 66 | 78 | 24th | 47 | 28, 29 | 72·3 | 55 0 | 63·1 | + 3·8 | 148 | 0 | 2 | 0·28 | − 0·33 | 7·8 | — | 55 | * | * | * | * | * | * | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Kew | 18 | 80 | 24th | 53 | 29th | 74·4 | 56·0 | 64·7 | + 4·7 | 159 | 0 | 2 | 0·16 | − 0·36 | * | * | * | 0 | 48 | 66·0 | +3·8 | 61·7 | +0·4 | Canterbury. |
| *a* Marlborough | 424 | 78 | 24th | 43 | 28, 29 | 72·3 | 51·9 | 61·5 | + 4·1 | 137 | 0 | 2 | 0·35 | − 0·25 | 5·4 | − 0·5 | 38 | 0 | 45 | 62·4 | +0·5 | 59·4 | +0·2 | Kew. |
| *a* Margate | 35 | 76 | 24, 25 | 55 | 26th | 71·3 | 59·0 | 64·8 | + 3·6 | 160 | 0 | 1 | 0·10 | − 0·35 | 7·6 | + 2·0 | 54 | 0 | 40 | 63·0 | * | 58·6 | * | Marlborough. |
| *a* Wisley, Surrey | 150 | 81 | 24th | 48 | 28, 29 | 74·9 | 52·9 | 63·2 | + 2·4 | 148 | 0 | 2 | 0·13 | — | 6·4 | + 0·4 | 45 | 0 | 53 | 66·3 | +4·1 | 63·9 | +3·5 | Margate. |
| | | | | | | | | | | | | | | | 6·5 | — | 46 | 0 | 41 | 62·9 | +0·8 | 59·9 | −0·9 | Wisley. |
| | | | | | | | | | | | | | | | 7·3 | — | 52 | 0 | 49 | 64·4 | +0·6 | 61·4 | 0·0 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 78 | 24th | 46 | 29th | 73·0 | 53·4 | 62·6 | + 2·6 | 144 | 0 | 2 | 0·31 | − 0·27 | * | * | * | 0 | 45 | 65·3 | * | * | * | Salisbury. |
| *a* Tunbridge Wells | 418 | 79 | 24th | 51 | 27, 29 | 73·0 | 53·7 | 62·8 | + 3·6 | 146 | 0 | 3 | 0·34 | − 0·17 | 5·2 | − 1·0 | 37 | 0 | 45 | 61·9 | −1·3 | 60·1 | * | Tunbridge Wells |
| *a* Dungeness | 21 | 76 | 24th | 52 | 29th | 70·1 | 56·0 | 62·6 | + 1·8 | 144 | 0 | 2 | 0·24 | − 0·21 | 6·6 | — | 47 | 0 | 46 | * | * | * | * | Littlestone. |
| *p* Hastings | 178 | 76 | 25th | 54 | 27th | 69·7 | 57·1 | 63·0 | + 2·3 | 147 | 0 | 3 | 0·46 | − 0·08 | *5·7* | − *1·0* | *41* | 0 | 49 | 65·2 | * | 62·4 | * | *Hastings.* |
| *p* Southampton | 65 | 78 | 24, 29 | 52 | 28, 29 | 74·1 | 56·3 | 64·7 | + 3·3 | 159 | 0 | 2 | 0·47 | − 0·12 | 8·4 | + 1·9 | 60 | 0 | 48 | * | * | * | * | Southampton. |
| *a* Ventnor | 80 | 73 | 28, 29 | 55 | 28th | 70·6 | 58·3 | 64·1 | + 2·4 | 155 | 0 | 2 | 0·39 | − 0·11 | 7·6 | + 1·4 | 54 | * | * | * | * | * | * | Ventnor. |
| | | | | | | | | | | | | | | | *7·6* | — | *54* | 0 | 49 | 64·9 | +0·7 | 62·6 | +0·4 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 6·6 | + 0·1 | 47 | * | * | 64·4 | * | 62·2 | * | Eastbourne. |
| | | | | | | | | | | | | | | | *7·9* | — | *56* | * | * | 63·8 | * | 62·3 | * | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | *6·8* | *0·0* | *49* | 0 | 51 | * | * | 63·2 | * | *Brighton.* |
| *a Westminster* | *27* | *80* | *24th* | *54* | *29th* | *74·8* | *56·8* | *65·3* | + *4·7* | *163* | *0* | *2* | *0·20* | − *0·32* | *4·9* | − *0·3* | *35* | 0 | 49 | * | * | * | * | *Westminster.* |
| *a Greenwich* | *155* | *84* | *24th* | *52* | *29th* | *76·7* | *55·1* | *65·3* | + *4·2* | *163* | *0* | *3* | *0·17* | − *0·30* | *5·0* | − *1·5* | *36* | 0 | 45 | * | * | * | * | *Greenwich.* |
| *a Hampstead* | *450* | *79* | *24th* | *52* | *27th* | *72·9* | *55·1* | *63·6* | — | *151* | *0* | *2* | *0·29* | — | *4·9* | — | *35* | 0 | 48 | * | * | * | * | *Hampstead.* |
| *a Camden Square* | *110* | *86* | *24th* | *53* | *29th* | *77·6* | *55·9* | *66·1* | — | *169* | *0* | *2* | *0·23* | — | *5·3* | — | *38* | 0 | 50 | * | * | * | * | *Camden Square.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | *6·0* | — | *42* | 0 | 38 | 59·4 | +1·6 | 56·2 | +0·1 | *Burnley.* |
| | | | | | | | | | | | | | | | 7·6 | — | 53 | * | * | * | * | * | * | Hoylake. |
| *p* Aspatria | 250 | 71 | 25th | 49 | 27th | 68·1 | 52·9 | 60·0 | + 3·5 | 126 | 0 | 5 | 1·33 | + 0·34 | 6·2 | — | 43 | 0 | 44 | 60·2 | * | 56·2 | * | Aspatria. |
| *p* Newton Rigg | 559 | 71 | 23rd | 43 | 28th | 68·0 | 50·4 | 58·7 | + 3·4 | 117 | 0 | 5 | 0·64 | − 0·15 | 6·3 | + 1·5 | 44 | 0 | 35 | 60·2 | +1·4 | 57·0 | +0·4 | Newton Rigg. |
| *p* Stonyhurst | 375 | 71 | 23, 24 | 48 | 28th | 67·7 | 54·4 | 60·7 | + 4·0 | 131 | 0 | 5 | 0·52 | − 0·57 | 6·0 | + 1·2 | 42 | 0 | 38 | * | * | * | * | Stonyhurst |
| *p* Blackpool | 66 | 70 | 23, 24 | 47 | 28th | 66·5 | 55·0 | 60·6 | + 2·6 | 130 | 0 | 4 | 0·43 | − 0·41 | 6·1 | + 1·0 | 43 | 0 | 47 | 60·2 | * | 56·8 | * | Blackpool. |
| *a Southport* | *37* | *73* | *23rd* | *48* | *28th* | *67·4* | *56·4* | *61·6* | + *3·6* | *137* | *0* | *2* | *0·34* | − *0·51* | *5·8* | + *0·4* | *41* | 0 | 39 | 63·8 | +1·8 | 61·8 | +0·7 | *Southport.* |
| *a* Liverpool (Bidston) | 188 | 73 | 23rd | 53 | 28th | 67·9 | 56·4 | 61·8 | + 4·1 | 139 | 0 | 3 | 0·32 | − 0·37 | *6·9* | — | *48* | * | * | * | * | * | * | *Liverpool.* |
| *a Hawarden Bridge* | *22* | *76* | *23rd* | *45* | *28th* | *70·9* | *55·0* | *62·5* | + *3·2* | *144* | *0* | *5* | *0·38* | − *0·28* | *4·8* | — | *34* | 0 | 45 | 62·9 | +2·8 | 61·4 | +1·8 | *Manchester (City)* |
| *p* Manchester (Whit. Pk.) | 125 | 74 | 23rd | 48 | 28th | 70·7 | 55·7 | 62·8 | + 4·9 | 146 | 0 | 3 | 0·95 | + 0·31 | *4·5* | + *0·5* | *32* | * | * | * | * | * | * | " *(Whit. Park)* |
| *b* NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 72 | 25th | 52 | 28th | 69·1 | 57·1 | 62·7 | + 3·6 | 145 | 0 | 2 | 0·73 | + 0·10 | 5·6 | + 0·4 | 39 | * | * | * | * | * | * | Llandudno |
| *a* Holyhead | 17 | 67 | 23, 26 | 53 | 25th | 65·3 | 56·1 | 60·4 | + 1·8 | 129 | 0 | 6 | 0·98 | + 0·28 | *4·6* | — | *32* | * | * | * | * | * | * | *Holyhead.* |
| *Bettws-y-Coed* | *101* | *70* | *24, 25* | *46* | *28th* | *68·1* | *54·2* | *60·7* | + *2·3* | *131* | *0* | *5* | *1·14* | — | *4·9* | — | *35* | * | * | 59·1 | +1·7 | 55·8 | +0·4 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 5·1 | — | 36 | * | * | * | * | * | * | Aberdovey. |

* For note see also opposite page.

† At 3 ft.

§ The temperature on the grass refers to Hereford

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | • | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 5·4 | — | 38 | | | | | | | |
| *a* Llangammarch Wells | 550 | 68 | 28, 29 | 40 | 28th | 66·6 | 52·1 | 58·9 | + 2·2 | 118 | 0 | 4 | 0·70 | — | 4·7 | — | 33 | 0 | 37 | 59·9 | +0·8 | 56·2 | +0·2 | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 66 | 24th | 55 | 23, 27, 28 | 63·4 | 57·0 | 60·0 | + 1·7 | 126 | 0 | 4 | 0·96 | + 0·29 | 6·2 | + 0·1 | 44 | | | | | | | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 73 | 23rd | 47 | 28th | 68·4 | 54·4 | 61·0 | + 1·3 | 133 | 0 | 3 | 0·92 | − 0·04 | *7·3* | — | *52* | 0 | 44 | 63·0 | +1·2 | 60·1 | +0·2 | Pembroke. |
| | | | | | | | | | | | | | | | | | | | | | | | | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 74 | 23rd | 51 | 28th | 71·0 | 56·3 | 63·2 | + 3·0 | 148 | 0 | 3 | 0·49 | − 0·30 | *7·1* | — | *50* | 0 | 49 | • | • | • | • | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 75 | 24th | 49 | 28th | 70·3 | 53·4 | 61·3 | + 3·1 | 135 | 0 | 3 | 0·32 | − 0·36 | • | • | • | • | • | 63·2 | • | 60·7 | • | Shaftesbury. |
| *a* Arlington .. .. | 613 | 71 | 23rd | 45 | 28th | 66·0 | 54·3 | 59·8 | + 2·5 | 125 | 0 | 4 | 1·49 | + 0·36 | • | • | • | • | • | • | • | • | • | Arlington. |
| *a Newquay* .. .. | *190* | *72* | *23rd* | *49* | *28th* | *66·6* | *54·7* | *60·3* | + *0·7* | *128* | *0* | *4* | *0·47* | − *0·06* | 8·1 | + 1·5 | 58 | 0 | 46 | 63·3 | • | 60·1 | • | Newquay. |
| *a* Cullompton .. .. | 202 | 77 | 29th | 44 | 28th | 72·1 | 53·1 | 62·0 | + 3·2 | 140 | 0 | 3 | 0·59 | − 0·08 | 6·7 | + 0·9 | 48 | 0 | 42 | 63·6 | • | • | • | Cullompton. |
| *a* Portland .. .. | 19 | 70 | 24th | 55 | 29th | 66·0 | 57·7 | 61·6 | + 0·9 | 137 | 0 | 2 | 0·35 | — | *8·3* | — | *59* | • | • | • | • | • | • | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 69 | 24, 29 | 49 | 28th | 66·7 | 55·4 | 60·7 | + 0·6 | 131 | 0 | 2 | 0·64 | 0·00 | 7·1 | + 0·9 | 51 | 0 | 43 | 64·0 | +0·6 | • | • | Plymouth. |
| *a* Falmouth .. .. | 167 | 70 | 29th | 51 | 25, 28 | 67·6 | 54·7 | 60·8 | + 1·3 | 132 | 0 | 2 | 0·55 | − 0·19 | 6·4 | − 0·3 | 46 | 0 | 44 | 64·8 | • | 62·8 | • | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. *a* Malin Head .. .. | 208 | 69 | 23rd | 51 | 25th | 63·7 | 53·4 | 58·2 | + 1·9 | 113 | 0 | 6 | 1·02 | + 0·24 | *5·5* | — | *38* | • | • | • | • | • | • | • • |
| *a* Blacksod Point .. | 37 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • • |
| *p* Markree Castle .. | 122 | 69 | 23rd | 44 | 29th | 65·9 | 51·0 | 58·0 | + 2·2 | 112 | 0 | 7 | 1·91 | + 0·92 | 4·4 | + 0·3 | 31 | 0 | 39 | 61·1 | • | 57·9 | • | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 73 | 23rd | 48 | 25th | 66·7 | 52·7 | 59·3 | + 2·2 | 121 | 0 | 6 | 1·43 | + 0·54 | *4·7* | + *0·1* | *33* | • | • | • | • | • | • | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 74 | 23rd | 50 | 25th | 67·4 | 53·7 | 60·1 | + 3·8 | 127 | 0 | 5 | 1·47 | + 0·62 | 5·4 | + 1·3 | 38 | 0 | 45 | 61·3 | +1·1 | 59·0 | +0·7 | Armagh. |
| *a* Donaghadee .. .. | 48 | 76 | 23rd | 50 | 25th | 66·0 | 54·0 | 59·6 | + 2·8 | 123 | 0 | 6 | 1·34 | + 0·57 | • | • | • | • | • | • | • | • | • | • • |
| | | | | | | | | | | | | | | | • | • | • | 0 | 40 | 62·6 | +2·2 | 59·3 | +0·8 | *Trinity Coll.* |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 4·4 | − 0·8 | 31 | 0 | 40 | • | • | • | • | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 73 | 23rd | 52 | 25th | 67·9 | 56·0 | 61·6 | + 2·8 | 137 | 0 | 5 | 1·30 | + 0·56 | • | • | • | 0 | 50 | • | • | • | • | Dublin City. |
| *a*, East .. *a* Kilkenny .. .. | 212 | 70 | 23rd | 48 | 27th | 67·6 | 52·6 | 59·7 | + 2·3 | 124 | 0 | 6 | 1·12 | + 0·31 | • | • | • | • | • | • | • | • | • | • • |
| *a* Waterford .. .. | 20 | 68 | 24, 28 | 48 | 25th | 66·3 | 54·0 | 59·8 | + 1·7 | 125 | 0 | 4 | 0·68 | − 0·20 | • | • | • | • | • | • | • | • | • | • • |
| *a Seskin, Carrick-on-Suir* | *541* | *68* | *23, 24* | *46* | *25th* | *65·6* | *52·1* | *58·5* | — | *116* | *0* | *5* | *1·46* | — | *4·8* | — | *34* | 0 | 39 | • | • | • | • | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 73 | 23rd | 48 | 25th | 66·7 | 52·7 | 59·3 | + 2·2 | 121 | 0 | 6 | 1·43 | + 0·54 | 4·7 | + 0·1 | 33 | • | • | • | • | • | • | Birr Castle. |
| *a* Foynes .. .. .. | 50 | 70 | 23rd | 50 | 25th | 65·3 | 53·0 | 58·8 | + 0·9 | 118 | 0 | 5 | 2·47 | + 1·58 | • | • | • | • | • | • | • | • | • | • • |
| *b*, West .. *a* Cahir .. .. | 199 | 71 | 23rd | 47 | 25th | 66·7 | 52·0 | 58·9 | + 1·4 | 118 | 0 | 6 | 1·51 | — | • | • | • | • | • | • | • | • | • | • • |
| *a* Killarney .. .. | 174 | 72 | 23rd | 52 | 25th | 67·4 | 54·9 | 60·8 | + 2·8 | 132 | 0 | 5 | 2·51 | + 1·45 | • | • | • | • | • | • | • | • | • | • • |
| *a* Valencia .. .. | 30 | 65 | 23, 24 | 54 | 27, 29 | 62·7 | 55·3 | 58·8 | + 0·6 | 118 | 0 | 7 | 3·12 | + 1·98 | 3·1 | − 1·8 | 22 | • | • | • | • | • | • | Valencia. |
| *a* Roche's Point .. | 32 | 66 | 27th | 53 | 25, 27 | 64·4 | 55·4 | 59·6 | + 1·1 | 123 | 0 | 6 | 1·28 | + 0·38 | 4·0 | — | 29 | • | • | • | • | • | • | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 69 | 24th | 54 | 25th | 66·6 | 56·6 | 61·3 | + 0·9 | 135 | 0 | 2 | 0·48 | − 0·09 | 8·0 | + 0·8 | 57 | • | • | • | • | • | • | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 75 | 24th | 52 | 29th | 69·3 | 59·0 | 63·8 | + 1·4 | 153 | 0 | 2 | 0·32 | − 0·28 | 9·2 | + 1·6 | 66 | • | • | • | • | • | • | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 77 | 24th | 53 | 29th | 69·6 | 57·1 | 63·0 | + 1·6 | 147 | 0 | 2 | 0·65 | 0·00 | 9·4 | + 1·8 | 67 | 0 | 47 | 65·0 | +0·8 | 63·3 | +1·0 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 7·6 hrs. 54 %; Ramsgate, hrs. %; Rhyl, 6·7 hrs. 48 %; Salcombe, 8·7 hrs. 62 %; Tenby, 5·7 hrs. (−0·4) 40 %; Torquay, 7·6 hrs. (+1·0) 54 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Aug. 29th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | 50 | 48 | 49·2 | −4·2 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 62 | 57 | 59·4 | +2·3 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 54 | 50 | 51·8 | −2·9 |
| Scarborough .. . | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 59 | 58 | 58·9 | −4·0 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. . | 66 | 64 | 65·0 | +1·2 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 60 | 59 | 59·0 | +2·0 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. . | 59 | 58 | 58·5 | — |
| Plymouth‡ .. . | 63 | 62 | 62·6 | +2·1 |
| Salcombe .. . | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. . | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. . | — | — | — | — |
| Seafield .. . | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, August 29th.

| DISTRICT AND STATION | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | — | — | 8 | 160 | S. 7 | 24th 8h. | 16 24th 7.35 |
| Aberdeen .. .. | 105 | — | — | — | — | 15 | 153 | S. 9 | 24th 9h. | 16 24th 7. 5 |
| Rosyth .. .. | 73 | — | — | — | — | — | — | — — | — — | — — — |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 23, 24 | 4 | 43 | 121 | S. by W. 12 | 24th 11h. | 18 24th 11.25 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 19 | 149 | SW. by S. 8 | 24th 7h. | 18 24th 9.40 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 4 | 164 | SSW. 6 | 24th 12h. | 12 24th 13.5 |
| South Shields .. | 61 | — | — | — | — | 18 | 150 | WSW. 9 | 23rd 15h. | 15 23rd 10.25 |
| Spurn Head .. | 40 | — | — | 26th | 1 | 48 | 119 | S. by E. 11 | 26th 11h. | 15 26th 10.35 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 26th | 1§ | 42§ | 117§ | — 11 | 26th 9h. | 14 26th 9.50 |
| Shoeburyness .. | 90 | — | — | — | — | 25 | 143 | S. by W. 9 | 26th 13h. | 12 26th 9.20 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | — | — | 55 | 113 | — 10 | 27th 16h. | 15 27th 16.5 |
| Warlingham .. | 33 | — | — | — | — | 14 | 154 | — 7 | 23rd 7h. | 16 26th 9.50 |
| Brighton .. .. | 53 | — | — | — | — | — | — | — — | — — | — — — |
| Kew .. .. .. | 40 | — | — | — | — | 1§ | 162§ | SSW. 6 | 26th 15h. | 12 26th 9.25 |
| South Kensington | 92 | — | — | — | — | — | 168 | W. by N. 5 | 24th 13h. | 9 24th 12.40 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | — | 168 | WSW. 5 | 23rd 13h. | 11 23rd 14.45 |
| Southport .. .. | 62 | — | — | — | — | 68 | 100 | NW by N. 11 | 27th 3h. | 16 23rd 9.45 |
| Holyhead .. .. | 40 | — | — | 26, 27 | 4 | 100 | 64 | NW by W. 11 | 27th 2h. | 17 24th 1.55 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | — | — | — | — | 25§ | 67§ | SW. 8 | 23rd 1h. | 11 23rd 8.30 |
| Plymouth .. .. | 86 | — | — | 25, 26 | 6 | 18 | 144 | — 13 | 25th 24h. | 16 25th 23.50 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 25, 26 | 13§ | 104§ | 45§ | — 14 | 25th 15h. | 19 25th 10.20 |
| Weaver Pt. † .. | 30 | — | — | — | — | — | — | — — | — — | — — — |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | — | — | — | — | — — | — — | — — — |

† The Anemograph from Roche's Point has been moved to Crosshaven Hill near Weaver Pt. on the W. of Cork Harbour.

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907–1911, but in some cases for 1908–1911, or 1909–1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

## [Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**THIRTY-FOURTH WEEK**—August 23rd to August 29th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of: Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees: Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 71 | 42 | 63·8 | 52·0 | 57·6 | + 3·2 | 109 | + 22 | 0 | 0 | 5 | + 1 | 0·85 | −0·15 | 4·8 | +1·1 | 33 | 1012 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 76 | 37 | 67·6 | 50·4 | 58·5 | + 2·9 | 116 | + 21 | 0 | 0 | 5 | + 1 | 0·51 | −0·24 | 4·8 | 0·0 | 33 | 1013 |
| 2. ENGLAND, N.E. ... ... | 79 | 44 | 71·3 | 54·2 | 62·2 | + 4·7 | 141 | + 32 | 0 | 0 | 4 | 0 | 0·56 | −0·06 | 5·4 | +0·4 | 38 | 1016 |
| 3. ENGLAND, EAST ... | 82 | 48 | 72·5 | 55·6 | 63·5 | + 4·1 | 151 | + 29 | 0 | 0 | 3 | − 1 | 0·20 | −0·36 | 5·1 | −0·8 | 36 | 1017 |
| 4. MIDLAND COUNTIES ... | 82 | 42 | 71·9 | 53·6 | 62·2 | + 3·8 | 141 | + 26 | 0 | 0 | 3 | 0 | 0·68 | +0·03 | 6·2 | +0·9 | 44 | 1017 |
| 5. ENGLAND, S.E. ... ... | 81 | 43 | 72·3 | 55·5 | 63·4 | + 2·8 | 150 | + 20 | 0 | 0 | 2 | − 2 | 0·30 | −0·33 | 6·8 | +0·6 | 48 | 1018 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 74 | 45 | 65·9 | 52·4 | 58·8 | + 2·5 | 118 | + 18 | 0 | 0 | 6 | + 2 | 1·65 | +0·56 | 5·5 | +0·6 | 38 | 1014 |
| 7. ENGLAND, N.W. ... ... | 74 | 43 | 68·0 | 54·8 | 61·0 | + 3·1 | 133 | + 22 | 0 | 0 | 4 | 0 | 0·74 | −0·15 | 6·1 | +1·3 | 43 | 1016 |
| 8. ENGLAND, S.W. ... ... | 77 | 40 | 67·8 | 54·8 | 60·9 | + 2·0 | 132 | + 13 | 0 | 0 | 3 | − 1 | 0·70 | −0·16 | 6·4 | +0·5 | 45 | 1018 |
| 9. IRELAND, NORTH ... | 76 | 44 | 65·9 | 53·0 | 59·0 | + 2·5 | 119 | + 17 | 0 | 0 | 6 | + 1 | 1·43 | +0·49 | 4·9 | +0·7 | 34 | 1013 |
| 10. IRELAND, SOUTH ... | 73 | 47 | 66·1 | 54·0 | 59·7 | + 1·8 | 124 | + 12 | 0 | 0 | 6 | + 1 | 1·71 | +0·73 | 4·1 | −0·8 | 29 | 1015 |
| 11. ENGLISH CHANNEL ... | 77 | 52 | 68·5 | 57·6 | 62·7 | + 1·3 | 145 | + 9 | 0 | 0 | 2 | − 2 | 0·48 | −0·17 | 8·9 | +1·7 | 63 | 1019 |

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 13 Weeks, May 31st to August 29th 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 37 | * | * | * | * | 1197 | +113 | 0 | − 4 | 52 | − 3 | 7·07 | −2·95 | 4·7 | +0·3 | 28 | 1013 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 30 | * | * | * | * | 1307 | + 91 | 0 | − 3 | 41 | − 7 | 6·73 | −1·35 | 5·7 | +0·2 | 34 | 1014 |
| 2. ENGLAND, N.E. ... ... | 85 | 33 | * | * | * | * | 1499 | +131 | 0 | 0 | 37 | − 5 | 7·59 | +0·82 | 6·3 | +0·3 | 39 | 1015 |
| 3. ENGLAND, EAST ... | 87 | 38 | * | * | * | * | 1680 | +138 | 0 | 0 | 37 | − 2 | 5·10 | −1·41 | 6·8 | +0·2 | 43 | 1015 |
| 4. MIDLAND COUNTIES ... | 88 | 35 | * | * | * | * | 1590 | + 92 | 0 | − 1 | 39 | − 1 | 7·71 | +0·80 | 6·1 | +0·1 | 38 | 1015 |
| 5. ENGLAND, S.E. ... ... | 90 | 36 | * | * | * | * | 1687 | + 63 | 0 | 0 | 33 | − 4 | 5·51 | −0·79 | 7·4 | +0·6 | 47 | 1016 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 35 | * | * | * | * | 1390 | + 97 | 0 | − 1 | 45 | − 4 | 8·24 | −2·26 | 5·8 | 0·0 | 36 | 1014 |
| 7. ENGLAND, N.W. ... ... | 86 | 36 | * | * | * | * | 1515 | + 95 | 0 | 0 | 42 | − 3 | 7·99 | −0·54 | 6·5 | +0·6 | 41 | 1015 |
| 8. ENGLAND, S.W. ... ... | 86 | 34 | * | * | * | * | 1552 | + 49 | 0 | 0 | 47 | + 3 | 10·23 | +2·07 | 6·4 | −0·1 | 41 | 1016 |
| 9. IRELAND, NORTH ... | 80 | 35 | * | * | * | * | 1363 | + 55 | 0 | 0 | 53 | − 2 | 8·04 | −1·46 | 5·1 | +0·2 | 32 | 1014 |
| 10. IRELAND, SOUTH ... | 81 | 39 | * | * | * | * | 1513 | + 65 | 0 | 0 | 54 | + 6 | 9·30 | −0·06 | 5·6 | +0·1 | 35 | 1016 |
| 11. ENGLISH CHANNEL ... | 84 | 42 | * | * | * | * | 1647 | + 16 | 0 | 0 | 42 | − 2 | 7·06 | +0·46 | 7·0 | −0·9 | 46 | 1016 |

THE YEAR.—Aggregates, &c., for the Period of 34 Weeks, January 4th, 1914, to August 29th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 1646 | +174 | 391 | −166 | 154 | − 1 | 29·35 | −0·95 | 3·6 | 0·0 | 27 | 1009 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 1894 | +214 | 492 | −128 | 124 | − 4 | 18·66 | −0·20 | 4·5 | +0·2 | 33 | 1010 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 2221 | +374 | 299 | −176 | 112 | − 4 | 14·54 | −0·28 | 4·9 | +0·3 | 37 | 1012 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 2461 | +316 | 299 | −222 | 107 | − 5 | 13·67 | −0·70 | 5·3 | +0·3 | 41 | 1014 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 2386 | +257 | 367 | −166 | 113 | + 2 | 15·94 | −0·18 | 4·3 | +0·2 | 35 | 1014 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 2519 | +223 | 240 | −141 | 107 | + 1 | 17·32 | +1·87 | 5·6 | +0·5 | 43 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 1983 | +174 | 317 | −108 | 140 | + 5 | 26·93 | −0·78 | 4·4 | 0·0 | 33 | 1010 |
| 7. ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 2216 | +254 | 227 | −159 | 124 | + 1 | 20·15 | −0·17 | 4·8 | +0·3 | 36 | 1013 |
| 8. ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 2375 | +196 | 192 | −109 | 132 | +11 | 26·90 | +5·14 | 5·1 | +0·1 | 39 | 1014 |
| 9. IRELAND, NORTH ... | 80 | 25 | * | * | * | * | 2041 | +150 | 246 | − 99 | 152 | + 5 | 24·03 | +1·12 | 4·1 | 0·0 | 31 | 1011 |
| 10. IRELAND, SOUTH ... | 81 | 24 | * | * | * | * | 2355 | +175 | 174 | − 85 | 151 | +20 | 26·13 | +1·84 | 4·6 | +0·1 | 35 | 1013 |
| 11. ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 2646 | +191 | 72 | − 37 | 125 | − 3 | 20·44 | +2·42 | 5·7 | −0·3 | 43 | 1015 |

M.O., September 2, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 137

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. *Vol. XXXI. (New Series.)* No. 35. THIRTY-FIFTH WEEK, SUNDAY, AUGUST 30TH, TO SATURDAY, SEPTEMBER 5TH, 1914. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

The barometrical distribution was anticyclonic throughout, the wind very light in force and the weather generally dry. At the beginning of the week a high pressure area in the north of these Islands was separated from a similar system in the south by a band of relatively low pressure, and slight or moderate quantities of rain fell at many places in the west and north of the kingdom. Later in the period the anticyclone drifted away gradually eastward, and the calms and variable airs gave place to light breezes from the Eastward in the south and from some point between South-East and South in the west and north, while the dry, settled type of weather extended to almost the whole Kingdom. Further falls of rain, however, occurred in Shetland and the Hebrides on September 1st and 2nd. Late in the week the eastern portion of a shallow depression extended over the south-west of England and a thunderstorm passed over Newquay and Jersey. Mist or fog prevailed at times in most parts of the Kingdom, but seldom continued very long after sunrise, and the amount of bright sunshine was considerably above the average in almost all parts of England.

## THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Unusual | Unusual | Unusual | Unusual | Very unusual | Unusual | Very unusual | Very unusual | Very unusual | Unusual | Very unusual | Unusual |
| | Rainfall ... | Light | Very light | Very light | Very light | Very light | Nought | Nought | Very light | Very light | Very light | Very light | Moderate |
| | Sunshine ... | Abundant | Deficient | Moderate | Abundant | Moderate | Very abundant | Abundant | Abundant | Abundant | Moderate | Moderate | Moderate |

## THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 1 week from Aug. 30th, 1914. | Warmth ... | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 |
| | Rainfall ... | 0*1 | 0*1 | 0*1 | 0*1 | 0*1 | 0*1 | 0*1 | 0*1 | 0*1 | 0*1 | 0*1 | 0*0 |
| | Sunshine ... | 1*0 | 0*1 | 0*0 | 1*0 | 0*0 | 1*0 | 1*0 | 1*0 | 1*0 | 0*0 | 0*0 | 0*0 |

## PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6*0 | 8*0 | 8*0 | 10*0 | 11*0 | 11*0 | 6*0 | 9*0 | 9*0 | 8*0 | 9*2 | 11*0 |
| | Rainfall ... | 4*4 | 2*4 | 4*6 | 5*6 | 5*4 | 5*5 | 2*4 | 4*6 | 3*5 | 3*2 | 7*1 | 4*3 |
| | Sunshine ... | 5*4 | 5*6 | 6*3 | 4*1 | 4*3 | 5*2 | 1*4 | 6*3 | 4*6 | 2*5 | 2*6 | 2*4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6*3 | 7*2 | 7*2 | 9*3 | 7*4 | 7*4 | 4*2 | 8*3 | 7*4 | 7*2 | 7*4 | 6*4 |
| | Rainfall ... | 5*2 | 5*4 | 1*7 | 3*9 | 2*8 | 3*5 | 5*4 | 5*6 | 3*5 | 5*5 | 4*6 | 5*7 |
| | Sunshine ... | 3*1 | 2*2 | 1*2 | 3*4 | 2*6 | 4*4 | 2*6 | 2*0 | 3*5 | 1*9 | 1*7 | 2*5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3*1 | 6*0 | 8*1 | 8*2 | 6*1 | 7*1 | 5*3 | 5*1 | 8*1 | 6*3 | 6*2 | 9*1 |
| | Rainfall ... | 5*2 | 5*5 | 4*6 | 4*5 | 4*5 | 5*4 | 6*4 | 4*5 | 7*6 | 5*5 | 4*6 | 6*5 |
| | Sunshine ... | 4*4 | 4*2 | 3*2 | 6*5 | 4*5 | 4*1 | 4*2 | 4*2 | 4*2 | 4*4 | 4*4 | 4*4 |
| SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. | Warmth ... | 5*0 | 6*3 | 6*1 | 6*1 | 5*2 | 5*2 | 7*2 | 5*1 | 5*2 | 6*1 | 4*2 | 5*3 |
| | Rainfall ... | 2*4 | 2*4 | 3*5 | 3*5 | 3*4 | 2*4 | 2*7 | 4*3 | 5*3 | 2*7 | 4*2 | 7*3 |
| | Sunshine ... | 6*2 | 4*3 | 4*5 | 5*3 | 6*5 | 5*2 | 3*4 | 6*4 | 3*5 | 5*3 | 4*4 | 1*6 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.**—**(1) The charts for the current week will be issued as soon as the necessary data have been received.**
**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**
**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(2437—19.) Wt. 229—611. 450. 9/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| **0. SCOTLAND, N.** | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| | *31* | | | | | | | | | | | | | | | | | | | | | | | *Baltasound.* |
| *a*, Islands.. *p* Baltasound | 54 | 59 | 2nd | 44 | 4th | 56·0 | 48·4 | 52·0 | + 0·3 | 70 | 0 | 4 | 0·40 | — | 4·9 | + 1·1 | 35 | • | • | • | • | • | • | Deerness. |
| *a* Lerwick.. | 51 | 66 | 3rd | 44 | 30, 31 | 62·1 | 49·3 | 55·4 | + 2·1 | 94 | 0 | 4 | 0·64 | - 0·33 | 3·9 | - 0·2 | 28 | • | • | • | • | • | • | Stornoway. |
| *a* Stornoway | 51 | 66 | 3rd | 44 | 30, 31 | 62·1 | 49·3 | 55·4 | + 2·1 | 94 | 0 | 4 | 0·64 | - 0·33 | 3·9 | - 0·2 | 28 | • | • | • | • | • | • | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *65* | *4th* | *49* | *30, 31* | *60·7* | *53·0* | *56·7* | *+ 2·6* | *103* | *0* | *0* | *0·00* | — | *4·7* | — | *34* | | | | | | | *Castlebay.* |
| *a* Wick | 81 | 61 | 31st | 44 | 31st | 57·9 | 49·7 | 53·6 | + 0·1 | 81 | 0 | 5 | 0·29 | - 0·34 | • | • | • | • | • | • | • | • | • | |
| *p* Strathpeffer | 200 | 70 | 2nd | 44 | 5th | 66·0 | 50·0 | 57·6 | + 3·6 | 109 | 0 | 1 | 0·06 | - 0·53 | 4·8 | + 0·9 | 34 | • | • | • | • | • | • | Strathpeffer. |
| *p* Glencarron | 500 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *p* Fort Augustus.. | 68 | 72 | 2nd | 43 | 31st | 64·3 | 51·1 | 57·4 | + 2·7 | 108 | 0 | 0 | 0·00 | - 0·85 | 3·6 | + 0·7 | 26 | • | • | • | • | • | • | Fort Augustus. |
| *p* Fort William .. | 175 | 69 | 31, 2, 4 | 44 | 31st | 67·6 | 49·6 | 58·2 | + 3·3 | 113 | 0 | 0 | 0·00 | - 1·50 | • | • | • | • | • | • | • | • | • | |
| **1. SCOTLAND, E.** | | | | | | | | | | | | | | | 3·2 | — | 23 | 1 | 30 | 58·4 | +2·4 | 56·6 | +1·3 | Crathes S. |
| *p* Gordon Castle .. | 101 | 71 | 2nd | 37 | 5th | 65·6 | 47·3 | 56·0 | + 0·9 | 98 | 0 | 1 | 0·02 | - 0·64 | *4·5* | — | *32* | • | • | • | • | • | • | *Gordon Castle.* |
| *a* Nairn | 82 | 69 | 1st | 40 | 5th | 64·7 | 49·1 | 56·5 | + 1·7 | 102 | 0 | 1 | 0·04 | - 0·50 | 5·0 | — | 36 | • | • | • | • | • | • | Nairn. |
| *a* Aberdeen | 46 | 69 | 1, 2 | 44 | 31st | 63·9 | 51·9 | 57·6 | + 2·5 | 109 | 0 | 1 | 0·04 | - 0·57 | 3·6 | - 1·0 | 26 | • | • | • | • | 55·3 | +1·4 | Aberdeen. |
| *a* Balmoral | 930 | 70 | 30, 5 | 37 | 31st | 67·6 | 43·3 | 54·9 | + 3·2 | 90 | 0 | 1 | 0·04 | - 0·72 | • | • | • | 0 | 34 | • | • | • | • | Balmoral. |
| *p* Crieff | 432 | 72 | 2nd | 47 | 5th | 64·4 | 51·4 | 57·6 | + 2·0 | 109 | 0 | 0 | 0·00 | - 0·88 | 2·2 | — | 16 | • | • | • | • | • | • | Balruddery. |
| *a* Leith | 18 | 75 | 2nd | 50 | 1, 5 | 64·4 | 53·9 | 58·9 | + 2·0 | 118 | 0 | 1 | 0·08 | - 0·48 | • | • | • | • | • | • | • | • | • | |
| *a* West Linton | 800 | 71 | 2nd | 40 | 5th | 62·7 | 46·3 | 54·1 | + 0·5 | 85 | 0 | 1 | 0·03 | — | *2·5* | — | *18* | 0 | 38 | • | • | • | • | *West Linton.* |
| *p* Marchmont | 498 | 76 | 2nd | 45 | 5th | 65·0 | 50·4 | 57·4 | + 3·2 | 108 | 0 | 1 | 0·03 | - 0·69 | 3·6 | - 0·9 | 26 | 0 | 44 | • | • | • | • | Marchmont. |
| *a Edinburgh* | *441* | *74* | *2nd* | *48* | *5th* | *63·0* | *53·1* | *57·8* | — | *111* | *0* | *1* | *0·11* | — | 2·2 | — | 16 | 0 | 39 | • | • | • | • | Edinburgh. |
| **6. *a*, SCOTLAND, W.** | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *a* Poltalloch | 132 | 70 | 2nd | 42 | 31st | 65·4 | 49·9 | 57·3 | + 1·4 | 107 | 0 | 0 | 0·00 | - 1·10 | • | • | • | • | • | • | • | • | • | |
| *p* Glasgow Observatory | 180 | 71 | 2nd | 48 | 5th | 64·6 | 53·7 | 58·9 | + 4·0 | 118 | 0 | 2 | 0·02 | - 0·84 | 4·7 | + 0·8 | 34 | 0 | 40 | • | • | • | • | Glasgow. |
| *p* Rothesay | 90 | 76 | 2nd | 47 | 31st | 65·7 | 51·6 | 58·3 | + 2·6 | 114 | 0 | 0 | 0·00 | - 1·08 | *5·8* | — | *41* | 0 | 47 | 59·6 | • | 56·5 | +0·8 | *Rothesay.* |
| *a* Kilmarnock | 90 | 74 | 2nd | 43 | 31st | 68·3 | 50·1 | 58·8 | + 3·5 | 118 | 0 | 0 | 0·00 | — | *6·2* | — | *44* | • | • | • | • | • | • | *Kilmarnock.* |
| *a* Colmonell | 150 | 73 | 2nd | 44 | 31st | 68·3 | 51·0 | 59·2 | + 2·8 | 120 | 0 | 0 | 0·00 | - 0·96 | • | • | • | 0 | 40 | • | • | • | • | |
| *p* Dumfries | 160 | 74 | 2nd | 48 | 31st | 67·6 | 53·9 | 60·4 | + 3·3 | 129 | 0 | 0 | 0·00 | - 0·83 | *4·4* | — | *32* | 0 | 44 | 61·4 | • | 60·0 | • | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 73 | 3rd | 45 | 5th | 69·1 | 50·0 | 59·1 | + 4·4 | 120 | 0 | 0 | 0·00 | - 1·03 | • | • | • | • | • | • | • | • | • | |
| ***b*, I. OF MAN.** | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas .. | 277 | 71 | 3rd | 51 | 30th | 66·9 | 54·7 | 60·5 | + 4·8 | 130 | 0 | 0 | 0·00 | - 0·93 | 6·6 | + 1·3 | 48 | 0 | 48 | • | • | • | • | Douglas. |
| **2. ENGLAND, N.E.** | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 74 | 2nd | 47 | 5th | 66·6 | 53·3 | 59·6 | + 4·2 | 123 | 0 | 2 | 0·19 | - 0·46 | 3·9 | — | 28 | 0 | 41 | 58·9 | +4·5 | 56·8 | +2·0 | Cockle Park. |
| *a* Tynemouth | 96 | 71 | 3rd | 54 | 30-1, 5 | 63·7 | 55·0 | 59·1 | + 2·8 | 120 | 0 | 2 | 0·35 | - 0·20 | *3·9* | — | *28* | • | • | • | • | • | • | *Tynemouth.* |
| *p* Durham .. | 336 | 77 | 3rd | 48 | 5th | 67·3 | 52·7 | 59·7 | + 3·0 | 124 | 0 | 1 | 0·02 | - 0·50 | 4·2 | - 0·3 | 30 | 0 | 43 | • | • | • | • | Durham. |
| *a*, North .. *p* Rounton .. | 249 | 76 | 3rd | 46 | 5th | 67·3 | 52·6 | 59·6 | + 3·8 | 123 | 0 | 1 | 0·04 | - 0·48 | • | • | • | 0 | 41 | 61·9 | • | • | • | Rounton. |
| *a West Witton* | *605* | *76* | *2, 3* | *50* | *5th* | *68·1* | *53·3* | *60·3* | — | *128* | *0* | *1* | *0·10* | — | • | • | • | 0 | 47 | 60·8 | • | 56·0 | • | *West Witton.* |
| *p* Scarborough | 100 | 75 | 2, 3 | 55 | 1, 5 | 67·3 | 56·4 | 61·6 | + 4·5 | 137 | 0 | 1 | 0·02 | - 0·53 | 5·9 | — | 42 | • | • | • | • | 59·5† | • | Scarborough. |
| *p* York | 56 | 79 | 3rd | 52 | 3rd | 70·4 | 54·0 | 61·8 | + 4·2 | 139 | 0 | 1 | 0·02 | - 0·51 | 5·4 | + 0·9 | 39 | • | • | 62·1 | +3·8 | 59·2 | +2·0 | York. |
| *a* Spurn Head | 26 | 75 | 3rd | 54 | 5th | 69·0 | 56·9 | 62·7 | + 4·3 | 145 | 0 | 1 | 0·02 | - 0·40 | *3·1* | — | *22* | 0 | 44 | 59·0 | +1·2 | 58·0 | +1·4 | *Hull.* |
| *b*, South .. *a* Lincoln | 58 | 81 | 3rd | 50 | 2, 3 | 73·1 | 55·7 | 64·0 | + 5·6 | 154 | 0 | 0 | 0·00 | - 0·50 | *6·2* | — | *45* | • | • | • | • | • | • | *Spurn Head.* |
| *a* Fulbeck | 180 | 82 | 3rd | 48 | 2, 3 | 73·0 | 53·7 | 62·9 | + 4·6 | 146 | 0 | 0 | ‖0·01 | - 0·49 | • | • | • | • | • | 64·8 | +5·8 | 60·4 | +2·8 | Lincoln. |
| | | | | | | | | | | | | | | | 6·0 | — | 44 | 0 | 46 | 61·8 | +4·2 | 59·6 | -0·8 | Rauceby. |
| | | | | | | | | | | | | | | | 6·6 | — | 48 | 0 | • | • | • | • | • | Skegness. |
| **3. ENGLAND, E.** | | | | | | | | | | | | | | | *8·9* | • | *65* | 0 | 50 | 65·2 | +4·0 | 61·6 | +1·6 | *Lowestoft.* |
| *p* Cromer | 196 | 77 | 3rd | 55 | 2nd | 69·3 | 57·4 | 63·1 | + 4·9 | 148 | 0 | 1 | 0·04 | — | 6·9 | — | 50 | • | • | • | • | • | • | Cromer. |
| *p* Little Massingham | 280 | 81 | 3rd | 50 | 2, 5 | 72·9 | 53·3 | 62·6 | + 4·3 | 144 | 0 | 1 | 0·01 | - 0·59 | 6·6 | + 1·3 | 48 | 0 | 47 | • | • | • | • | Lit. Massingham. |
| *a*, North .. *a* Yarmouth | 17 | 72 | 30th | 48 | 3rd | 68·7 | 54·6 | 61·3 | + 2·5 | 135 | 0 | 0 | 0·00 | - 0·51 | 8·0 | — | 58 | • | • | 66·4 | +4·5 | 62·1 | +0·5 | Yarmouth. |
| *a* Norwich | 93 | | | | | | | | | | | | | | *7·0* | — | *51* | 0 | 36 | 63·8 | • | • | • | *Norwich.* |
| *a* Geldeston | 37 | 81 | 30th | 43 | 3rd | 71·9 | 52·0 | 61·5 | + 3·1 | 137 | 0 | 0 | 0·00 | - 0·49 | 7·6 | + 1·8 | 56 | • | • | • | • | • | • | Geldeston. |
| *p* Cambridge | 41 | 82 | 3rd | 43 | 3rd | 75·3 | 51·9 | 63·0 | + 3·4 | 147 | 0 | 0 | 0·00 | - 0·49 | 7·3 | + 1·6 | 53 | 0 | 35 | 64·5 | +3·9 | 61·0 | +1·1 | Cambridge. |
| *a Felixstowe* | *10* | *74* | *30th* | *52* | *3rd* | *69·4* | *57·9* | *63·4* | *+ 3·8* | *150* | *0* | *0* | *0·00* | — | *9·0* | — | *66* | • | • | • | • | • | • | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 74 | 30th | 55 | 30th | 69·7 | 58·3 | 63·7 | + 4·0 | 152 | 0 | 0 | 0·00 | — | 8·4 | — | 61 | 0 | 48 | 64·2 | +3·7 | 61·6 | +1·5 | Clacton. |
| *b*, South .. *a* Rothamsted | 424 | 78 | 3rd | 44 | 2, 3 | 73·7 | 48·9 | 60·7 | + 2·9 | 131 | 0 | 0 | 0·00 | - 0·56 | 7·5 | + 1·9 | 55 | • | • | • | • | • | • | Rothamsted. |
| *a Shoeburyness* | *13* | *80* | *30th* | *50* | *3rd* | *70·7* | *55·3* | *62·6* | *+ 1·9* | *144* | *0* | *0* | *‖0·01* | - *0·32* | 7·7 | — | *57* | 0 | 43 | 68·0 | +3·9 | • | • | *Southend.* |
| *p* Tottenham | 51 | 79 | 3rd | 50 | 3rd | 75·0 | 54·6 | 64·3 | + 4·7 | 156 | 0 | 0 | 0·00 | — | 7·6 | — | 56 | 0 | 41 | • | • | 63·0 | +1·1 | Tottenham. |
| **4. MIDLAND COUNTIES.** | | | | | | | | | | | | | | | *4·2* | — | *30* | 0 | 44 | 61·5 | +3·0 | 57·3 | +0·3 | *Huddersfield.* |
| *a* Harrogate | 476 | 77 | 3rd | 50 | 5th | 66·9 | 53·1 | 59·7 | + 3·8 | 124 | 0 | 1 | 0·07 | - 0·51 | 4·5 | — | 32 | 0 | 45 | 59·4 | +3·8 | 58·0 | +2·5 | Harrogate. |
| *a* Bawtry | 65 | 79 | 2nd | 48 | 3rd | 72·3 | 53·6 | 62·5 | + 4·9 | 144 | 0 | 0 | 0·00 | - 0·49 | 4·2 | - 0·2 | 31 | 0 | 42 | 61·2 | • | 58·5 | • | Worksop. |
| *p Buxton* | *987* | *75* | *3rd* | *46* | *2nd* | *67·0* | *51·4* | *58·8* | *+ 3·9* | *118* | *0* | *1* | *0·01* | - *0·96* | *5·6* | — | *41* | 0 | 44 | 60·6 | +3·5 | 58·1 | +2·8 | *Buxton.* |
| *a*, East .. *a* Nottingham | 82 | 80 | 3rd | 48 | 3, 4 | 73·4 | 52·7 | 63·6 | + 5·8 | 151 | 0 | 0 | 0·00 | - 0·52 | 5·5 | — | 40 | 0 | 44 | 63·2 | +5·3 | 60·9 | +2·2 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 77 | 2nd | 52 | 2nd | 71·1 | 56·9 | 63·8 | + 5·8 | 153 | 0 | 0 | 0·00 | - 0·57 | 3·9 | — | 29 | 0 | 39 | 59·0 | +3·7 | 55·1 | +0·9 | Birmingham. |
| *a* Raunds | 203 | 82 | 3rd | 43 | 2nd | 76·1 | 52·1 | 63·5 | + 5·4 | 151 | 0 | 0 | 0·00 | — | *7·5* | — | *55* | ? | ? | 63·9 | • | 59·0 | • | *Raunds.* |
| *p* Oxford | 208 | 82 | 3rd | 47 | 2nd | 74·6 | 52·9 | 63·2 | + 4·4 | 148 | 0 | 0 | 0·00 | - 0·48 | 6·9 | + 1·4 | 50 | 0 | 41 | • | • | • | • | Oxford. |
| | | | | | | | | | | | | | | | 3·8 | — | 28 | 0 | 46 | 60·8 | +3·1 | 57·2 | +1·3 | Sheffield. |
| *a* Cheadle | 646 | 78 | 30th | 50 | 3rd | 72·1 | 54·9 | 63·1 | + 7·2 | 148 | 0 | 0 | 0·00 | - 0·72 | • | • | • | 0 | 49 | • | • | • | • | Cheadle. |
| *p* Shrewsbury | 191 | 80 | 3rd | 46 | 2nd | 72·4 | 54·3 | 62·9 | + 5·0 | 146 | 0 | 0 | 0·00 | — | • | • | • | 0 | ? | • | • | • | • | Shrewsbury. |
| *b*, West .. *a* Hereford§ | 291 | 80 | 3rd | 47 | 2nd | 72·0 | 54·3 | 62·7 | + 4·8 | 145 | 0 | 0 | 0·00 | - 0·53 | *6·2* | | *45* | 0 | 41 | 64·3 | • | 61·6 | • | *Malvern.*§ |
| *a* Cirencester | 446 | 79 | 3rd | 47 | 3rd | 74·0 | 53·8 | 63·4 | + 6·4 | 150 | 0 | 0 | 0·00 | - 0·64 | 7·1 | + 1·7 | 52 | 0 | 43 | 62·0 | • | 59·0 | • | Cirencester. |
| *a* Bath | 66 | 81 | 3rd | 47 | 3rd | 75·6 | 52·6 | 63·6 | + 4·9 | 151 | 0 | 0 | 0·00 | - 0·60 | 7·3 | — | 54 | • | • | • | • | • | • | Bath. |
| **5. ENGLAND, S.E** | | | | | | | | | | | | | | | • | • | • | 0 | 41 | 66·1 | +5·7 | 61·5 | +0·7 | Canterbury. |
| *p* Kew | 18 | 77 | 3rd | 50 | 2-4 | 73·6 | 54·6 | 63·6 | + 4·4 | 151 | 0 | 0 | 0·00 | - 0·52 | 6·8 | + 1·2 | 50 | 0 | 41 | 62·3 | +1·9 | 59·7 | +0·8 | Kew. |
| *a* Marlborough | 424 | 79 | 3rd | 40 | 4th | 72·7 | 46·7 | 59·1 | + 2·4 | 120 | 0 | 0 | 0·00 | - 0·59 | 7·1 | + 1·8 | 52 | 0 | 37 | 63·0 | • | 58·9 | • | Marlborough. |
| *a* Margate | 35 | 78 | 30th | 58 | 2nd | 69·9 | 60·1 | 64·8 | + 4·4 | 160 | 0 | 0 | 0·00 | - 0·45 | 9·8 | + 4·1 | 72 | 0 | ?55 | 66·7 | +6·0 | 64·1 | +4·2 | Margate. |
| *a* Wisley, Surrey | 150 | 81 | 3rd | 47 | 2-4 | 75·7 | 51·4 | 63·0 | + 3·0 | 147 | 0 | 0 | 0·00 | — | 7·7 | — | 57 | 0 | 38 | 63·3 | +2·7 | 60·1 | -0·1 | Wisley. |
| | | | | | | | | | | | | | | | 10·6 | — | 78 | 0 | 45 | 64·8 | +2·7 | 61·8 | +0·8 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 81 | 4th | 46 | 2nd | 76·6 | 51·4 | 63·4 | + 4·3 | 150 | 0 | 0 | 0·00 | - 0·57 | • | • | • | 0 | 47 | 65·3 | • | • | • | Salisbury. |
| *a* Tunbridge Wells | 418 | 82 | 30th | 46 | 3rd | 76·4 | 52·7 | 64·0 | + 5·3 | 154 | 0 | 0 | 0·00 | - 0·53 | 10·0 | + 4·1 | 74 | 0 | 38 | 63·1 | +1·6 | 60·3 | • | Tunbridge Wells |
| *a* Dungeness | 21 | 72 | 30, 3 | 48 | 4th | 70·1 | 56·1 | 62·8 | + 2·7 | 146 | 0 | 0 | 0·00 | - 0·46 | 9·9 | — | 73 | • | • | • | • | • | • | Littlestone. |
| *p* Hastings.. | 178 | 75 | 30, 31, 4 | 55 | 2nd | 73·1 | 57·4 | 64·9 | + 4·9 | 160 | 0 | 0 | 0·00 | - 0·55 | *10·8* | + *4·4* | *79* | 0 | 47 | 65·9 | • | 62·5 | • | *Hastings.* |
| *p* Southampton | 65 | 79 | 4th | 50 | 3rd | 75·3 | 54·7 | 64·5 | + 3·8 | 158 | 0 | 0 | 0·00 | - 0·57 | 8·6 | + 2·4 | 63 | 0 | 45 | • | • | • | • | Southampton. |
| *a* Ventnor | 80 | 73 | 3rd | 60 | 30, 3-5 | 71·1 | 60·3 | 65·4 | + 4·2 | 164 | 0 | 0 | 0·00 | - 0·53 | 10·1 | + 3·7 | 74 | • | • | • | • | • | • | Ventnor. |
| | | | | | | | | | | | | | | | *9·6* | — | *71* | 0 | 46 | 64·9 | +2·6 | 62·8 | +1·1 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 10·7 | + 4·5 | 79 | • | • | 64·6 | • | 62·2 | • | Eastbourne. |
| | | | | | | | | | | | | | | | *9·2* | — | *68* | • | • | 64·1 | • | 62·6 | • | *Bournemouth.* |
| | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | *Brighton.* |
| LONDON. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a Westminster* | *27* | *79* | *3rd* | *51* | *30th* | *74·6* | *56·4* | *65·1* | *+ 5·1* | *162* | *0* | *0* | *0·00* | - *0·50* | *6·6* | + *1·6* | *49* | 0 | 46 | • | • | • | • | *Westminster.* |
| *a Greenwich* | *155* | *82* | *3rd* | *46* | *3rd* | *75·4* | *53·4* | *63·9* | *+ 3·5* | *153* | *0* | *0* | *0·00* | - *0·46* | *7·5* | + *1·4* | *55* | 0 | 38 | • | • | • | • | *Greenwich.* |
| *a Hampstead* | *450* | *77* | *3rd* | *53* | *2, 3* | *71·9* | *58·4* | *63·8* | — | *153* | *0* | *0* | *0·00* | — | *7·9* | — | *58* | 0 | 45 | • | • | • | • | *Hampstead.* |
| *a Camden Square* | *110* | *79* | *30, 3, 4* | *50* | *2, 3* | *77·1* | *54·9* | *65·5* | — | *165* | *0* | *0* | *0·00* | — | *7·3* | — | *54* | 0 | 45 | • | • | • | • | *Camden Square.* |
| | | | | | | | | | | | | | | | *6·3* | — | *45* | 0 | 43 | 59·4 | +3·3 | 56·4 | +0·7 | *Burnley.* |
| **7. *a*, ENGLAND, N.W.** | | | | | | | | | | | | | | | 6·9 | — | 50 | • | • | • | • | • | • | Hoylake. |
| *p* Aspatria | 250 | 73 | 2, 3 | 48 | 5th | 69·9 | 52·9 | 61·0 | + 5·1 | 133 | 0 | 0 | 0·00 | - 0·97 | 7·2 | — | 52 | 0 | 43 | 60·9 | • | 56·3 | • | Aspatria. |
| *p* Newton Rigg | 559 | 76 | 2nd | 45 | 5th | 68·6 | 50·7 | 59·2 | + 4·4 | 120 | 0 | 1 | 0·01 | - 0·74 | 5·7 | + 1·1 | 41 | 0 | 37 | 60·9 | +3·6 | 57·1 | +1·0 | Newton Rigg. |
| *p* Stonyhurst | 375 | 73 | 2nd | 53 | 2, 3, 5 | 68·1 | 54·3 | 60·9 | + 4·9 | 132 | 0 | 1 | 0·09 | - 0·99 | 6·5 | + 1·9 | 47 | 0 | 45 | • | • | • | • | Stonyhurst. |
| *p* Blackpool | 66 | 72 | 1, 2 | 51 | 4th | 68·3 | 54·0 | 60·8 | + 3·3 | 132 | 0 | 0 | 0·00 | - 0·80 | 6·3 | + 1·4 | 45 | 0 | 44 | 60·5 | • | 57·1 | • | Blackpool. |
| *a Southport* | *37* | *74* | *1st* | *51* | *4th* | *69·4* | *54·7* | *61·7* | *+ 4·3* | *138* | *0* | *1* | *0·03* | - *0·75* | *5·3* | + *0·2* | *38* | 0 | 46 | 63·6 | +3·3 | 61·9 | +1·7 | *Southport.* |
| *a* Liverpool (Bidston) | 188 | 74 | 2nd | 56 | 1-3, 5 | 69·0 | 56·6 | 62·5 | + 5·4 | 144 | 0 | 1 | 0·04 | - 0·62 | *6·5* | — | *47* | • | • | • | • | • | • | *Liverpool.* |
| *a Hawarden Bridge* | *22* | *76* | *2nd* | *52* | *2nd* | *70·9* | *56·4* | *63·3* | *+ 4·8* | *149* | *0* | *1* | *0·01* | - *0·59* | *5·8* | | *42* | 0 | 48 | 62·9 | +4·5 | 61·6 | +2·4 | *Manchester (City)* |
| *p* Manchester (Whit. Pk.) | 125 | 77 | 2, 3 | 54 | 1-4 | 70·8 | 55·7 | 62·9 | + 5·4 | 146 | 0 | 1 | 0·03 | - 0·60 | *6·2* | + *2·3* | *45* | • | • | • | • | • | • | " *(Whit. Park)* |
| ***b* NORTH WALES.** | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 74 | 1, 2 | 57 | 31, 1, 3-5 | 70·6 | 57·6 | 63·8 | + 5·2 | 153 | 0 | 1 | 0·04 | - 0·59 | 5·6 | + 0·6 | 40 | • | • | • | • | • | • | Llandudno. |
| *a* Holyhead | 17 | 74 | 2nd | 55 | 4th | 66·7 | 56·7 | 61·5 | + 3·7 | 137 | 0 | 1 | 0·16 | - 0·53 | *4·6* | — | *34* | • | • | • | • | • | • | *Holyhead.* |
| *Bettws-y-Coed* | *101* | *77* | *2nd* | *52* | *1-3* | *70·4* | *54·3* | *62·0* | *+ 4·1* | *140* | *0* | *0* | *0·00* | — | *5·5* | | *40* | • | • | 60·1 | +4·2 | 56·1 | +0·9 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 6·2 | — | 45 | • | • | • | • | • | • | Aberdovey |

* For note see also opposite page. † At 3 ft § The temperature on the grass refers to Hereford ‖ Dew.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | • | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 6·5 | — | 48 | • | • | • | • | • | • | Aberystwyth. |
| *a* Llangammarch Wells | 550 | 77 | 3rd | 48 | 3rd | 70·6 | 54·1 | 62·0 | + 5·8 | 140 | 0 | 1 | 0·01 | — | 4·9 | — | 36 | 0 | 43 | 61·0 | +3·3 | 56·5 | +0·5 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 73 | 4th | 56 | 3rd | 67·6 | 58·3 | 62·7 | + 4·7 | 145 | 0 | 2 | 0·16 | − 0·52 | 7·0 | + 1·4 | 51 | • | • | • | • | • | • | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 77 | 3rd | 53 | 2, 3 | 71·3 | 56·3 | 63·4 | + 4·6 | 150 | 0 | 0 | 0·00 | − 0·93 | *7·5* | — | *55* | 0 | 50 | 64·3 | +4·3 | 60·5 | +1·0 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 80 | 3rd | 53 | 2nd | 75·6 | 57·3 | 66·0 | + 6·4 | 168 | 0 | 0 | 0·00 | − 0·74 | *8·0* | — | *59* | 0 | 52 | • | • | • | • | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 77 | 3rd | 52 | 5th | 73·9 | 55·0 | 64·0 | + 6·1 | 154 | 0 | 0 | 0·00 | − 0·67 | • | • | • | • | • | 65·3 | • | 61·3 | • | Shaftesbury. |
| *a* Arlington .. .. | 613 | 77 | 3rd | 52 | 3rd | 71·6 | 54·4 | 62·6 | + 5·6 | 144 | 0 | 0 | 0·00 | − 1·12 | • | • | • | • | • | • | • | • | • | Arlington. |
| *a Newquay* .. .. | *190* | *76* | *4th* | *50* | *30, 3* | *69·1* | *53·9* | *61·1* | + *1·8* | *134* | *0* | *1* | 0·35 | − *0·81* | 7·9 | + 1·7 | 58 | 0 | 43 | 63·5 | • | 60·4 | • | Newquay. |
| *a* Cullompton .. .. | 202 | 79 | 3rd | 47 | 3rd | 75·0 | 51·6 | 62·7 | + 4·3 | 145 | 0 | 0 | 0·00 | − 0·65 | 7·0 | + 1·4 | 52 | 0 | 44 | 64·0 | • | • | • | Cullompton. |
| *a* Portland .. .. | 19 | 69 | 3rd | 58 | 30, 1, 5 | 66·9 | 59·0 | 62·8 | + 2·6 | 146 | 0 | 0 | 0·00 | — | *8·7* | — | *64* | • | • | • | • | • | • | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 77 | 3rd | 53 | 3rd | 71·9 | 56·6 | 63·9 | + 4·1 | 153 | 0 | 1 | 0·10 | − 0·54 | 9·1 | + 3·1 | 67 | 0 | 44 | 64·4 | +2·5 | • | • | Plymouth. |
| *a* Falmouth .. .. | 167 | 72 | 30, 31, 3 | 53 | 30th | 69·1 | 56·9 | 62·7 | + 3·7 | 145 | 0 | 1 | 0·05 | − 0·70 | 7·9 | + 1·5 | 58 | 0 | 45 | 65·7 | • | 62·8 | • | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Malin Head .. .. | 208 | 68 | 1st | 52 | 30, 31 | 62·9 | 54·0 | 58·2 | + 2·2 | 113 | 0 | 1 | 0·02 | − 0·75 | *4·6* | — | *33* | • | • | • | • | • | • | • |
| *a*, West .. *a* Blacksod Point .. | 37 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • |
| *p* Markree Castle .. | 122 | 73 | 1, 2 | 44 | 31st | 68·3 | 51·6 | 59·6 | + 4·2 | 123 | 0 | 1 | 0·02 | − 0·94 | 4·1 | + 0·2 | 30 | 0 | 38 | 61·4 | • | 57·9 | • | Markree Castle. |
| *a* Birr Castle .. | 175 | 75 | 1st | 52 | 31st | 68·7 | 54·6 | 61·3 | + 4·9 | 135 | 0 | 0 | 0·00 | − 0·78 | *4·5* | *0·0* | *33* | • | • | • | • | • | • | *Birr Castle.* |
| *b*, East .. *p* Armagh .. | 196 | 73 | 1st | 44 | 31st | 66·7 | 51·6 | 58·8 | + 3·0 | 118 | 0 | 0 | 0·00 | − 0·78 | 3·4 | − 0·7 | 25 | 0 | 37 | 60·9 | +2·2 | 58·7 | +0·9 | Armagh. |
| *a* Donaghadee .. .. | 48 | 72 | 1st | 52 | 30, 1 | 63·3 | 54·0 | 58·4 | + 1·9 | 115 | 0 | 0 | 0·00 | − 0·75 | • | • | • | • | • | • | • | • | • | • |
| | | | | | | | | | | | | | | | | | | 0 | 42 | 61·5 | +2·5 | 59·3 | +1·2 | *Trinity Coll.* |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 4·9 | − 0·2 | 36 | 0 | 43 | • | • | • | • | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 71 | 1, 2 | 52 | 31st | 66·3 | 55·4 | 60·6 | + 2·3 | 130 | 0 | 0 | 0·00 | − 0·70 | • | • | • | 0 | 51 | • | • | • | • | Dublin City. |
| *a*, East .. *a* Kilkenny .. .. | 212 | 74 | 3rd | 50 | 1st | 69·7 | 55·1 | 62·1 | + 5·3 | 141 | 0 | 1 | 0·02 | − 0·72 | • | • | • | • | • | • | • | • | • | • |
| *a* Waterford .. .. | 20 | 72 | 1, 3 | 53 | 30th | 68·7 | 56·3 | 62·2 | + 4·5 | 141 | 0 | 0 | 0·00 | − 0·83 | • | • | • | • | • | • | • | • | • | • |
| *a Seskin, Carrick-on-Suir* | *541* | *72* | *3rd* | *54* | *31, 1, 4* | *67·4* | *55·1* | *61·0* | — | *133* | *0* | *0* | *0·02* | — | *5·0* | — | *37* | 0 | 43 | • | • | • | • | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 75 | 1st | 52 | 31st | 68·7 | 54·6 | 61·3 | + 4·9 | 135 | 0 | 0 | 0·00 | − 0·78 | 4·5 | 0·0 | 33 | • | • | • | • | • | • | Birr Castle. |
| *a* Foynes .. .. | 50 | 73 | 2, 4 | 55 | 30th | 67·6 | 57·4 | 62·3 | + 4·9 | 142 | 0 | 0 | 0·00 | − 0·83 | • | • | • | • | • | • | • | • | • | • |
| *a* Cahir .. .. | 199 | 75 | 3rd | 52 | 4th | 68·6 | 56·0 | 62·0 | + 4·9 | 140 | 0 | 1 | 0·01 | — | • | • | • | • | • | • | • | • | • | • |
| *b*, West .. *a* Killarney .. | 174 | 78 | 3rd | 57 | 30, 31, 4 | 71·5 | 59·0 | 65·0 | + 7·8 | 161 | 0 | 2 | 0·02 | − 1·00 | • | • | • | • | • | • | • | • | • | • |
| *a* Valencia .. .. | 30 | 78 | 1st | 55 | 30, 4 | 69·1 | 56·7 | 62·6 | + 4·9 | 144 | 0 | 2 | 0·09 | − 1·02 | 4·2 | − 0·5 | 31 | • | • | • | • | • | • | Valencia. |
| *a* Roche's Point .. .. | 32 | 67 | 30, 4 | 56 | 31, 4 | 64·6 | 57·9 | 61·1 | + 3·0 | 134 | 0 | 5 | 0·12 | − 0·74 | 1·7 | — | 13 | • | • | • | • | • | • | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 71 | 3, 4 | 56 | 30th | 68·4 | 58·1 | 63·0 | + 2·9 | 147 | 0 | 1 | 0·01 | − 0·59 | 6·6 | − 0·2 | 49 | • | • | • | • | • | • | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 82 | 3rd | 53 | 30th | 74·9 | 58·9 | 66·5 | + 4·5 | 172 | 0 | 2 | 0·35 | − 0·25 | 7·2 | 0·0 | 53 | • | • | • | • | • | • | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 78 | 3rd | 52 | 30th | 72·0 | 56·9 | 64·1 | + 2·9 | 155 | 0 | 2 | 0·45 | − 0·20 | 6·9 | − 0·3 | 51 | 0 | 48 | 65·6 | +2·4 | 63·7 | +1·6 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 10·2 hrs. 75 %; Ramsgate, hrs. %; Rhyl, 5·5 hrs. 40 %; Salcombe, 8·4 hrs. 62 %; Tenby, 7·5 hrs. (+1·7) 55 %; Torquay, 8·4 hrs. (+2·2) 62 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Sept. 5th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 54 | 53 | 53·8 | +1·1 |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | 49 | 48 | 48·8 | −4·5 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 63 | 58 | 60·6 | +4·1 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 53 | 50 | 51·5 | −2·4 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 60 | 59 | 59·4 | −3·0 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 66 | 64 | 65·6 | +2·4 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 62 | 58 | 59·7 | +2·9 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 62 | 59 | 59·9 | — |
| Plymouth‡ .. .. | 63 | 62 | 62·6 | +2·7 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | — | — | — | — |
| Seafield .. .. | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, September 5th.

| DISTRICT AND STATION | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | — | — | — | 168 | N. 3 | 3rd 16h. | 8 3rd 13. 5 |
| Aberdeen .. .. | 105 | — | — | — | — | — | 168 | NW by W. 5 | 3rd 10h. | 9 3rd 9.30 |
| Rosyth .. .. | 73 | — | — | — | — | 4 | 164 | E. 7 | 4th. 16h. | 9 4th 15.35 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | — | — | 7 | 161 | ENE. 7 | 4th 17h. | 10 4th 17. 0 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | — | 168 | E. 5 | 4th 13h. | 11 4th 17.35 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | — | 168 | SE. by E. 4 | 5th 15h. | 6 5th 14.10 |
| South Shields .. | 61 | — | — | — | — | 4 | 164 | ENE. 6 | 4th 22h. | 10 1st 11.15 |
| Spurn Head .. | 40 | — | — | — | — | 33 | 135 | SE. 8 | 1st 16h. | 9 1st 16.32 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | — | — | 74 | 94 | — 9 | 31st 20h. | 12 4th 21. 5 |
| Shoeburyness .. | 90 | — | — | — | — | 58 | 110 | — 9 | 4th 24h. | 12 4th 2.40 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | — | — | 63 | 105 | — 10 | 5th 12h. | 15 5th 11.45 |
| Warlingham .. | 33 | — | — | — | — | 5 | 163 | — 6 | 5th 12h. | 12 5th 11.40 |
| Brighton .. .. | 53 | — | — | — | — | 44 | 124 | — 9 | 4th 24h. | 15 4th 18.10 |
| Kew .. .. .. | 40 | — | — | — | — | 23 | 145 | E. 7 | 4th 19h. | 12 4th 16.10 |
| South Kensington | 92 | — | — | — | — | 5 | 163 | E. 6 | 4th 18h. | 11 4th 18.45 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | — | 168 | E. 3 | 4th 15h | 8 4th 14.25 |
| Southport .. .. | 62 | — | — | — | — | 45 | 123 | E. 10 | 4th 17h. | 16 4th 17. 5 |
| Holyhead .. .. | 40 | — | — | 4, 5 | 7 | 28 | 133 | E. by N. 11 | 4th 20h. | 15 4th 19.35 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | — | — | 4, 5 | 36 | 49 | 83 | ESE. 17 | 5th 2h. | 21 5th 1.30 |
| Plymouth .. .. | 86 | — | — | — | — | 28 | 140 | — 9 | 4th 24h. | 17 5th 1.50 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 5th | 4 | 85 | 79 | — 11 | 5th 14h. | 17 5th 16.25 |
| Weaver Pt. .. | 30 | — | — | 5th | 1§ | 38§ | 49§ | — 11 | 5th 10h. | 17 5th 3. 5 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | — | — | — | — | — — | — — | — — — |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

## [Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**THIRTY-FIFTH WEEK**—August 30th to September 5th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (†25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (†25 Yrs.) | Below 42° | Difference from Av. (†25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | c | o | o | o | o | o | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 72 | 43 | 62·3 | 49·7 | 55·7 | + 2·0 | 96 | + 14 | 0 | 0 | 2 | − 3 | 0·23 | −0·88 | 4·3 | +0·8 | 31 | 1025 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 76 | 37 | 64·8 | 49·2 | 56·6 | + 1·8 | 102 | + 12 | 0 | 0 | 1 | − 4 | 0·04 | −0·67 | 3·3 | −1·2 | 24 | 1025 |
| 2. ENGLAND, N.E. ... ... | 82 | 46 | 68·6 | 54·5 | 61·2 | + 4·5 | 134 | + 31 | 0 | 0 | 1 | − 3 | 0·07 | −0·57 | 5·3 | +0·6 | 38 | 1026 |
| 3. ENGLAND, EAST ... | 82 | 43 | 72·1 | 53·9 | 62·5 | + 4·0 | 144 | + 29 | 0 | 0 | 1 | − 3 | 0·01 | −0·53 | 7·5 | +2·0 | 55 | 1025 |
| 4. MIDLAND COUNTIES ... | 82 | 43 | 72·8 | 53·7 | 62·9 | + 5·5 | 146 | + 39 | 0 | 0 | 1 | − 3 | 0·01 | −0·63 | 5·4 | +0·6 | 39 | 1024 |
| 5. ENGLAND, S.E. ... ... | 82 | 40 | 73·5 | 54·5 | 63·6 | + 4·0 | 151 | + 28 | 0 | 0 | 0 | − 4 | 0·00 | −0·66 | 9·1 | +3·4 | 67 | 1024 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 76 | 42 | 67·0 | 51·9 | 59·1 | + 3·6 | 120 | + 26 | 0 | 0 | 0 | − 5 | 0·00 | −1·14 | 5·7 | +1·1 | 40 | 1026 |
| 7. ENGLAND, N.W. ... ... | 77 | 45 | 69·2 | 54·8 | 61·6 | + 4·6 | 137 | + 32 | 0 | 0 | 1 | − 4 | 0·04 | −0·85 | 6·1 | +1·7 | 45 | 1024 |
| 8. ENGLAND, S.W. ... ... | 80 | 47 | 71·4 | 56·0 | 63·3 | + 5·2 | 149 | + 36 | 0 | 0 | 1 | − 3 | 0·03 | −0·86 | 7·2 | +1·8 | 53 | 1024 |
| 9. IRELAND, NORTH ... | 75 | 44 | 66·0 | 53·2 | 59·3 | + 3·7 | 121 | + 25 | 0 | 0 | 1 | − 4 | 0·01 | −0·94 | 3·8 | −0·2 | 27 | 1024 |
| 10. IRELAND, SOUTH ... | 78 | 50 | 68·3 | 56·5 | 62·1 | + 5·0 | 141 | + 35 | 0 | 0 | 1 | − 3 | 0·03 | −0·86 | 3·8 | −0·7 | 28 | 1023 |
| 11. ENGLISH CHANNEL ... | 82 | 52 | 71·8 | 58·0 | 64·5 | + 3·8 | 158 | + 27 | 0 | 0 | 2 | − 3 | 0·27 | −0·39 | 6·9 | +0·4 | 51 | 1022 |

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 1 Week, August 30th to September 5th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 72 | 43 | * | * | * | * | 96 | + 14 | 0 | 0 | 2 | − 3 | 0·23 | −0·88 | 4·3 | +0·8 | 31 | 1025 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 76 | 37 | * | * | * | * | 102 | + 12 | 0 | 0 | 1 | − 4 | 0·04 | −0·67 | 3·3 | −1·2 | 24 | 1025 |
| 2. ENGLAND, N.E. ... ... | 82 | 46 | * | * | * | * | 134 | + 31 | 0 | 0 | 1 | − 3 | 0·07 | −0·57 | 5·3 | +0·6 | 38 | 1026 |
| 3. ENGLAND, EAST ... | 82 | 43 | * | * | * | * | 144 | + 29 | 0 | 0 | 1 | − 3 | 0·01 | −0·53 | 7·5 | +2·0 | 55 | 1025 |
| 4. MIDLAND COUNTIES ... | 82 | 43 | * | * | * | * | 146 | + 39 | 0 | 0 | 1 | − 3 | 0·01 | −0·63 | 5·4 | +0·6 | 39 | 1024 |
| 5. ENGLAND, S.E. ... ... | 82 | 40 | * | * | * | * | 151 | + 28 | 0 | 0 | 0 | − 4 | 0·00 | −0·66 | 9·1 | +3·4 | 67 | 1024 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 76 | 42 | * | * | * | * | 120 | + 26 | 0 | 0 | 0 | − 5 | 0·00 | −1·14 | 5·7 | +1·1 | 40 | 1026 |
| 7. ENGLAND, N.W. ... ... | 77 | 45 | * | * | * | * | 137 | + 32 | 0 | 0 | 1 | − 4 | 0·04 | −0·85 | 6·1 | +1·7 | 45 | 1024 |
| 8. ENGLAND, S.W. ... ... | 80 | 47 | * | * | * | * | 149 | + 36 | 0 | 0 | 1 | − 3 | 0·03 | −0·86 | 7·2 | +1·8 | 53 | 1024 |
| 9. IRELAND, NORTH ... | 75 | 44 | * | * | * | * | 121 | + 25 | 0 | 0 | 1 | − 4 | 0·01 | −0·94 | 3·8 | −0·2 | 27 | 1024 |
| 10. IRELAND, SOUTH ... | 78 | 50 | * | * | * | * | 141 | + 35 | 0 | 0 | 1 | − 3 | 0·03 | −0·86 | 3·8 | −0·7 | 28 | 1023 |
| 11. ENGLISH CHANNEL ... | 82 | 52 | * | * | * | * | 158 | + 27 | 0 | 0 | 2 | − 3 | 0·27 | −0·39 | 6·9 | +0·4 | 51 | 1022 |

THE YEAR.—Aggregates, &c., for the Period of 35 Weeks, January 4th, 1914, to September 5th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 1742 | +188 | 391 | −166 | 156 | − 4 | 29·58 | −1·83 | 3·7 | +0·1 | 27 | 1010 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 1996 | +226 | 492 | −128 | 125 | − 8 | 18·70 | −0·87 | 4·4 | +0·1 | 33 | 1011 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 2355 | +405 | 299 | −176 | 113 | − 7 | 14·61 | −0·85 | 4·9 | +0·3 | 37 | 1013 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 2605 | +345 | 299 | −222 | 108 | − 8 | 13·68 | −1·23 | 5·4 | +0·4 | 41 | 1015 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 2532 | +296 | 367 | −166 | 114 | − 1 | 15·95 | −0·81 | 4·7 | +0·2 | 35 | 1015 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 2670 | +251 | 240 | −141 | 107 | − 3 | 17·32 | +1·21 | 5·8 | +0·7 | 44 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 2103 | +200 | 317 | −108 | 140 | 0 | 26·93 | −1·92 | 4·4 | 0·0 | 33 | 1011 |
| 7. ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 2353 | +286 | 227 | −159 | 125 | − 3 | 20·19 | −1·02 | 4·8 | +0·3 | 37 | 1013 |
| 8. ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 2524 | +232 | 192 | −109 | 133 | + 8 | 26·93 | +4·28 | 5·1 | +0·1 | 39 | 1015 |
| 9. IRELAND, NORTH ... | 80 | 25 | * | * | * | * | 2162 | +175 | 246 | − 99 | 153 | + 1 | 24·04 | +0·18 | 4·1 | 0·0 | 31 | 1011 |
| 10. IRELAND, SOUTH ... | 81 | 24 | * | * | * | * | 2496 | +210 | 174 | − 85 | 152 | +17 | 26·16 | +0·98 | 4·6 | +0·1 | 34 | 1013 |
| 11. ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 2804 | +218 | 72 | − 37 | 127 | − 6 | 20·71 | +2·03 | 5·7 | −0·3 | 44 | 1016 |

M.O., September 9, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 36. THIRTY-SIXTH WEEK, SUNDAY, SEPTEMBER 6TH, TO SATURDAY, SEPTEMBER 12TH, 1914.

*Price* 6*d.*
*Annual Subscription Post Paid* £1 10*s.* 0*d.*

## I.—Remarks on Wind and Weather.

At the beginning of the week the pressure distribution over the United Kingdom was anticyclonic, and the winds light and Easterly. A depression, which advanced later from the Bay of Biscay to our south-western districts, caused these Easterly winds to increase in force. The disturbance caused thunderstorms at many stations in England and Ireland on the 8th and 9th; in several places more than an inch of rain was registered. At Torquay and Stonyhurst on the 9th the fall was 1·3 in. By the 11th the conditions had undergone a complete change, a large depression accompanied by a secondary which moved directly across this country, off the coast of Norway, brought the wind into South-West and West very generally. The barometric gradient was rather steep both on Friday and Saturday, and the general force of the Westerly wind was fresh to strong. On several exposed parts of the coast gales were reported. At the end of the period the wind shifted to the North of West over the whole Kingdom, and there was a notable fall of temperature.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual |
| | Rainfall ... | Moderate | Light | Moderate | Moderate | Moderate | Moderate | Moderate | Heavy | Heavy | Moderate | Heavy | Very heavy |
| | Sunshine ... | Abundant | Abundant | Moderate | Moderate | Moderate | Abundant | Moderate | Moderate | Scanty | Scanty | Very scanty | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 2 weeks from Aug. 30th, 1914. | Warmth ... | 2*0 | 2*0 | 2*0 | 2*0 | 2*0 | 2*0 | 2*0 | 2*0 | 2*0 | 2*0 | 2*0 | 2*0 |
| | Rainfall ... | 0*1 | 0*2 | 0*1 | 0*1 | 0*1 | 0*1 | 0*1 | 1*1 | 1*1 | 0*1 | 1*1 | 1*0 |
| | Sunshine ... | 2*0 | 1*1 | 0*0 | 1*0 | 0*0 | 2*0 | 1*0 | 1*0 | 1*1 | 0*1 | 0*1 | 0*1 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6*0 | 8*0 | 8*0 | 10*0 | 11*0 | 11*0 | 6*0 | 9*0 | 9*0 | 8*0 | 9*2 | 11*0 |
| | Rainfall ... | 4*4 | 2*4 | 4*6 | 5*6 | 5*4 | 5*5 | 2*4 | 4*6 | 3*5 | 3*2 | 7*1 | 4*3 |
| | Sunshine ... | 5*4 | 5*6 | 6*3 | 4*1 | 4*3 | 5*2 | 1*4 | 6*3 | 4*6 | 2*5 | 2*6 | 2*4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth .. | 6*3 | 7*2 | 7*2 | 9*3 | 7*4 | 7*4 | 4*2 | 8*3 | 7*4 | 7*2 | 7*4 | 6*4 |
| | Rainfall ... | 5*2 | 5*4 | 1*7 | 3*9 | 2*8 | 3*5 | 5*4 | 5*6 | 3*5 | 5*5 | 4*6 | 5*7 |
| | Sunshine ... | 3*1 | 2*2 | 1*2 | 3*4 | 2*6 | 4*4 | 2*6 | 2*0 | 3*5 | 1*9 | 1*7 | 2*5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3*1 | 6*0 | 8*1 | 8*2 | 6*1 | 7*1 | 5*3 | 5*1 | 8*1 | 6*3 | 6*2 | 9*1 |
| | Rainfall ... | 5*2 | 5*5 | 4*6 | 4*5 | 4*5 | 5*4 | 6*4 | 4*5 | 7*6 | 5*5 | 4*6 | 6*5 |
| | Sunshine ... | 4*4 | 4*2 | 3*2 | 6*5 | 4*5 | 4*1 | 4*2 | 4*2 | 4*2 | 4*4 | 4*4 | 4*4 |
| SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. | Warmth ... | 5*0 | 6*3 | 6*1 | 6*1 | 5*2 | 5*2 | 7*2 | 5*1 | 5*2 | 6*1 | 4*2 | 5*3 |
| | Rainfall ... | 2*4 | 2*4 | 3*5 | 3*5 | 3*4 | 2*4 | 2*7 | 4*3 | 5*3 | 2*7 | 4*2 | 7*3 |
| | Sunshine ... | 6*2 | 4*3 | 4*5 | 5*3 | 6*5 | 5*2 | 3*4 | 6*4 | 3*5 | 5*3 | 4*4 | 1*6 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**
**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**
**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(2529—19.) Wt. 229—611. 450. 9/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. | | | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). | | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration | Grass Min. | | Earth 1 ft. | | Earth 4 ft. | | |
| | | | | | | Of Highest each day. | Of Lowest each day. | For whole of each day. | | Above 42° | Below 42° | | | | | | | Ground Frosts | Lowest Reading. | Mean | Difference from Average. | Mean. | Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | *31* | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, Islands.. *p* Baltasound | | | | | | | | | | | | | | | | | | | | | | | | *Baltasound.* |
| *a* Lerwick | 54 | 61 | 7, 8, 10 | 47 | 6th | 58·6 | 51·4 | 54·8 | + 3·7 | 90 | 0 | 4 | 0·45 | — | 4·5 | + 0·8 | 32 | • | • | • | • | • | • | Deerness. |
| *a* Stornoway | 51 | 70 | 9th | 47 | 6, 12 | 63·1 | 50·7 | 56·6 | + 3·9 | 102 | 0 | 4 | 1·69 | + 0·70 | 6·3 | + 2·3 | 46 | • | • | • | • | • | • | Stornoway. |
| *a* Castlebay, Barra Isd. | *37* | *68* | *8th* | *49* | *12th* | *61·0* | *54·3* | *57·5* | + 3·7 | *109* | *0* | *3* | *0·39* | — | *4·6* | — | *34* | • | • | • | • | • | • | *Castlebay.* |
| *b*, Mainland. *a* Wick | 81 | 60 | 9th | 39 | 6th | 58·3 | 48·1 | 53·0 | + 0·2 | 77 | 0 | 4 | 0·10 | − 0·50 | • | • | • | • | • | • | • | • | • | |
| *p* Strathpeffer | 200 | 68 | 10th | 42 | 6th | 64·3 | 48·1 | 55·8 | + 2·8 | 97 | 0 | 5 | 0·21 | − 0·38 | 5·9 | + 2·0 | 43 | • | • | • | • | • | • | Strathpeffer. |
| *p* Glencarron | 500 | | | | | | | | | | | | | | • | | | • | • | • | • | • | • | |
| *p* Fort Augustus | 68 | 71 | 8th | 39 | 6th | 64·4 | 48·6 | 56·1 | + 2·4 | 99 | 0 | 5 | 0·41 | − 0·47 | 5·4 | + 2·5 | 40 | • | • | • | • | • | • | Fort Augustus. |
| *p* Fort William | 175 | 75 | 8th | 42 | 6th | 66·9 | 49·0 | 57·5 | + 3·4 | 109 | 0 | 5 | 1·14 | − 0·42 | • | • | • | • | • | • | • | • | • | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | 6·3 | — | 46 | 1 | 25 | 57·3 | +2·3 | 56·1 | +1·4 | Crathes S. |
| *p* Gordon Castle | 101 | 72 | 9th | 44 | 6, 7, 12 | 67·9 | 47·6 | 57·3 | + 2·9 | 107 | 0 | 0 | 0·00 | − 0·61 | *6·8* | — | *50* | • | • | • | • | • | • | *Gordon Castle.* |
| *a* Nairn | 82 | 70 | 10th | 38 | 6th | 64·0 | 47·0 | 55·1 | + 1·1 | 92 | 0 | 4 | 0·10 | − 0·42 | 6·4 | — | 47 | • | • | • | • | • | • | Nairn. |
| *a* Aberdeen | 46 | 68 | 10th | 39 | 6th | 63·9 | 48·1 | 55·6 | + 1·8 | 95 | 0 | 1 | 0·20 | − 0·39 | 5·4 | + 1·0 | 40 | • | • | • | • | 55·0 | +1·6 | Aberdeen. |
| *a* Balmoral | 930 | 72 | 9th | 31 | 6th | 68·6 | 41·4 | 54·4 | + 3·3 | 89 | 2 | 0 | 0·00 | − 0·70 | • | • | • | 2 | 29 | • | • | • | • | Balmoral. |
| *p* Crieff | 432 | 71 | 7th | 42 | 12th | 64·4 | 48·3 | 56·0 | + 1·1 | 98 | 0 | 4 | 0·18 | − 0·62 | 3·9 | — | 29 | • | • | • | • | • | • | Balruddery. |
| *a* Leith | 18 | 65 | 10–12 | 40 | 6th | 62·9 | 49·9 | 56·1 | + 0·2 | 99 | 0 | 2 | 0·12 | − 0·38 | • | • | • | • | • | • | • | • | • | |
| *a* West Linton | 800 | 71 | 7, 10 | 32 | 6th | 63·6 | 43·9 | 53·3 | + 0·4 | 79 | 0 | 4 | 0·27 | — | *5·1* | — | *38* | 1 | 29 | • | • | • | • | *West Linton.* |
| *p* Marchmont | 498 | 74 | 7, 10 | 42 | 6th | 65·7 | 47·7 | 56·3 | + 2·8 | 100 | 0 | 4 | 0·31 | − 0·37 | 5·5 | + 1·2 | 41 | 0 | 38 | • | • | • | • | Marchmont. |
| *a* Edinburgh | *441* | *69* | *10th* | *47* | *6, 12* | *61·9* | *51·4* | *56·4* | — | *101* | *0* | *3* | *0·09* | — | 5·5 | — | 41 | 0 | 33 | • | • | • | • | Edinburgh. |
| **6.** *a*, SCOTLAND, W. | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *a* Poltalloch | 132 | 71 | 8, 9 | 36 | 6th | 65·6 | 50·4 | 57·6 | + 2·4 | 109 | 0 | 4 | 1·17 | + 0·06 | • | • | • | • | • | • | • | • | • | |
| *p* Glasgow Observatory | 180 | 67 | 7, 10 | 47 | 6, 12 | 62·7 | 51·3 | 56·7 | + 2·5 | 103 | 0 | 4 | 0·79 | − 0·13 | 4·0 | + 0·3 | 30 | 0 | 42 | • | • | • | • | Glasgow. |
| *p* Rothesay | 90 | 68 | 7th | 45 | 12th | 63·1 | 51·1 | 56·8 | + 1·7 | 104 | 0 | 3 | 0·77 | − 0·27 | *3·6* | — | *27* | 0 | 40 | 58·4 | • | 56·2 | +1·6 | *Rothesay.* |
| *a* Kilmarnock | 90 | 75 | 7th | 41 | 6th | 65·9 | 48·7 | 56·9 | + 2·5 | 104 | 0 | 4 | 0·90 | — | *4·6* | — | *34* | • | • | • | • | • | • | *Kilmarnock.* |
| *a* Colmonell | 150 | 76 | 8th | 44 | 6th | 67·0 | 48·6 | 57·4 | + 1·7 | 108 | 0 | 3 | 1·01 | + 0·08 | • | • | • | 0 | 39 | • | • | • | • | |
| *p* Dumfries | 160 | 77 | 10th | 46 | 12th | 68·1 | 52·1 | 59·7 | + 3·2 | 124 | 0 | 4 | 0·47 | − 0·28 | *5·1* | — | *38* | 0 | 42 | 60·6 | • | 59·9 | • | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 72 | 7th | 44 | 12th | 67·1 | 48·9 | 57·6 | + 3·5 | 109 | 0 | 4 | 0·65 | − 0·34 | • | • | • | • | • | • | • | • | • | |
| *b*, I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 70 | 9th | 46 | 12th | 64·6 | 54·1 | 59·1 | + 4·1 | 120 | 0 | 4 | 0·71 | − 0·19 | 5·2 | + 0·1 | 39 | 0 | 45 | • | • | • | • | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 219 | 67 | 7, 10 | 39 | 7th | 63·6 | 48·4 | 55·6 | + 1·2 | 95 | 0 | 3 | 0·56 | − 0·04 | 5·3 | — | 40 | 0 | 35 | 56·3 | +3·1 | 56·6 | +2·6 | Cockle Park. |
| *a* Tynemouth | 96 | 67 | 8th | 48 | 12th | 62·1 | 52·3 | 57·0 | + 1·7 | 105 | 0 | 4 | 0·55 | + 0·05 | *4·3* | — | *32* | • | • | • | • | • | • | *Tynemouth.* |
| *p* Durham | 336 | 77 | 8th | 41 | 6th | 67·3 | 48·7 | 57·6 | + 2·1 | 109 | 0 | 4 | 0·38 | − 0·11 | 4·8 | + 0·6 | 36 | 0 | 36 | • | • | • | • | Durham. |
| *a*, North *p* Rounton | 249 | 76 | 8th | 42 | 7th | 68·3 | 47·6 | 57·5 | + 2·5 | 109 | 0 | 4 | 0·34 | − 0·13 | • | • | • | 0 | 38 | 60·4 | • | • | • | Rounton. |
| *a* West Witton | *605* | *73* | *8th* | *43* | *6th* | *66·6* | *48·9* | *57·3* | — | *107* | *0* | *4* | *0·21* | — | • | • | • | 0 | 38 | 58·9 | • | 56·0 | • | *West Witton.* |
| *p* Scarborough | 100 | 68 | 8th | 48 | 12th | 65·1 | 55·4 | 60·0 | + 3·8 | 126 | 0 | 4 | 0·26 | − 0·24 | 5·7 | — | 43 | • | • | • | • | 59·5† | • | Scarborough. |
| *p* York | 56 | 78 | 8th | 45 | 7th | 70·4 | 52·9 | 61·2 | + 4·6 | 134 | 0 | 1 | 0·04 | − 0·43 | 4·9 | + 0·6 | 37 | • | • | 61·4 | +4·2 | 59·4 | +2·6 | York. |
| *b*, South *a* Spurn Head | 26 | 69 | 8, 10 | 51 | 12th | 66·4 | 56·1 | 61·0 | + 3·4 | 133 | 0 | 3 | 0·28 | − 0·10 | *3·9* | — | *29* | 0 | 41 | 58·1 | +1·6 | 58·0 | +1·7 | *Hull.* |
| *a* Lincoln | 58 | 81 | 8th | 47 | 12th | 71·6 | 53·4 | 62·1 | + 4·7 | 141 | 0 | 4 | 0·42 | − 0·05 | *5·6* | — | *42* | • | • | • | • | • | • | *Spurn Head.* |
| *a* Fulbeck | 180 | 78 | 8th | 42 | 6th | 70·3 | 50·3 | 59·8 | + 2·5 | 125 | 0 | 5 | 0·59 | + 0·13 | • | • | • | • | • | 63·4 | +5·7 | 60·9 | +3·8 | Lincoln. |
| | | | | | | | | | | | | | | | 5·5 | — | 41 | 0 | 42 | 63·0 | +3·4 | 60·0 | +1·8 | Rauceby. |
| | | | | | | | | | | | | | | | 5·3 | — | 40 | • | • | • | • | • | • | Skegness. |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | *6·0* | — | *45* | 0 | 43 | 64·0 | +4·0 | 61·6 | +2·2 | *Lowestoft.* |
| *p* Cromer | 196 | 72 | 10th | 48 | 12th | 67·1 | 56·0 | 61·3 | + 3·9 | 135 | 0 | 6 | 0·57 | — | 5·9 | — | 44 | 0 | 43 | 64·0 | +4·0 | 61·6 | +2·2 | Cromer. |
| *p* Little Massingham | 280 | 80 | 8th | 46 | 12th | 71·3 | 51·1 | 60·7 | + 3·4 | 131 | 0 | 4 | 0·47 | − 0·11 | 5·7 | + 0·6 | 43 | 0 | 43 | • | • | • | • | Lit. Massingham |
| *a*, North *a* Yarmouth | 17 | 70 | 7, 8 | 45 | 12th | 66·9 | 56·0 | 61·2 | + 3·3 | 134 | 0 | 4 | 0·79 | + 0·29 | 5·7 | — | 43 | • | • | 65·4 | +5·0 | 62·7 | +1·9 | Yarmouth. |
| *a* Norwich | 93 | 72 | 7th | 46 | 6th | 71·9 | 52·7 | 61·8 | + 3·9 | 139 | 0 | 4 | 0·50 | — | *5·8* | — | *44* | 0 | 41 | 62·0 | • | • | • | *Norwich.* |
| *a* Geldeston | 37 | 77 | 7th | 46 | 7th | 70·1 | 54·4 | 61·9 | + 4·3 | 139 | 0 | 5 | 0·44 | − 0·04 | 5·5 | − 0·1 | 41 | • | • | • | • | • | • | Geldeston. |
| *p* Cambridge | 41 | 81 | 7th | 45 | 7th | 73·0 | 51·4 | 61·7 | + 3·1 | 138 | 0 | 3 | 0·50 | + 0·04 | 6·0 | + 0·6 | 45 | 0 | 36 | 63·5 | +4·2 | 61·1 | +1·8 | Cambridge. |
| *a* Felixstowe | *10* | *72* | *8th* | *50* | *12th* | *67·3* | *59·4* | *63·2* | + 4·5 | *148* | *0* | *3* | *0·88* | — | *6·1* | — | *46* | • | • | • | • | • | • | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 72 | 8th | 50 | 12th | 68·1 | 59·1 | 63·4 | + 4·7 | 150 | 0 | 3 | 0·75 | — | 6·1 | — | 47 | 0 | 46 | 63·8 | +4·3 | 61·9 | +2·3 | Clacton. |
| *b*, South *a* Rothamsted | 424 | 79 | 7th | 45 | 6, 12 | 71·3 | 50·9 | 60·6 | + 3·9 | 130 | 0 | 4 | 0·60 | + 0·07 | 6·0 | + 0·7 | 46 | • | • | • | • | • | • | Rothamsted. |
| *a* Shoeburyness | *13* | *75* | *8, 9* | *51* | *12th* | *69·7* | *57·4* | *63·3* | + 3·8 | *149* | *0* | *2* | *0·25* | − *0·15* | *6·2* | — | *47* | 0 | 43 | 68·4 | +6·2 | • | • | *Southend.* |
| *p* Tottenham | 51 | 80 | 7th | 48 | 6th | 72·4 | 54·4 | 63·0 | + 4·4 | 147 | 0 | 4 | 0·53 | — | 5·7 | — | 44 | 0 | 40 | • | • | 63·1 | +1·9 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | *3·1* | — | *23* | 0 | 43 | 60·5 | +3·4 | 57·7 | +1·4 | *Huddersfield.* |
| *a* Harrogate | 476 | 73 | 8, 10 | 43 | 6th | 66·4 | 49·9 | 57·8 | + 2·8 | 111 | 0 | 3 | 0·33 | − 0·24 | 5·0 | — | 38 | 0 | 35 | 58·6 | +3·7 | 58·0 | +3·2 | Harrogate. |
| *a* Bawtry | 65 | 81 | 8th | 43 | 7th | 69·7 | 51·6 | 60·2 | + 3·6 | 127 | 0 | 5 | 0·45 | + 0·02 | 4·3 | + 0·1 | 32 | 0 | 38 | 60·2 | • | 58·3 | • | Worksop. |
| *p* Buxton | *987* | *69* | *7, 8, 10* | *40* | *6, 7* | *64·6* | *48·9* | *56·4* | + 1·5 | *101* | *0* | *5* | *2·04* | + *1·11* | *4·2* | — | *32* | 0 | 39 | 59·0 | +3·2 | 58·2 | +3·3 | *Buxton.* |
| *a*, East *a* Nottingham | 82 | 77 | 8th | 43 | 6, 7 | 70·4 | 50·1 | 59·8 | + 3·1 | 125 | 0 | 4 | 0·40 | − 0·08 | 4·7 | — | 35 | 0 | 40 | 60·9 | +4·2 | 60·8 | +2·8 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 74 | 8, 9 | 47 | 12th | 68·7 | 52·3 | 60·1 | + 3·0 | 127 | 0 | 4 | 0·46 | − 0·05 | 4·4 | — | 33 | 0 | 37 | 57·7 | +3·4 | 55·3 | +1·6 | Birmingham. |
| *a* Raunds | 203 | 79 | 7, 8 | 43 | 7th | 72·1 | 49·9 | 60·5 | + 3·3 | 130 | 0 | 4 | 0·55 | — | *5·1* | — | *38* | • | • | 62·4 | • | 59·2 | • | *Raunds.* |
| *p* Oxford | 208 | 79 | 7th | 45 | 6th | 71·6 | 51·9 | 61·3 | + 3·3 | 135 | 0 | 4 | 0·56 | + 0·11 | 5·5 | + 0·2 | 42 | 0 | 39 | • | • | • | • | Oxford. |
| | | | | | | | | | | | | | | | 3·4 | — | 26 | 0 | 39 | 59·1 | +2·4 | 57·3 | +1·2 | Sheffield. |
| *a* Cheadle | 646 | 70 | 6–8, 10 | 45 | 12th | 65·9 | 51·4 | 58·3 | + 3·4 | 114 | 0 | 4 | 1·00 | + 0·34 | • | • | • | 0 | 45 | • | • | • | • | Cheadle. |
| *p* Shrewsbury | 191 | 79 | 8th | 41 | 6th | 69·6 | 48·1 | 58·3 | + 1·2 | 114 | 0 | 5 | 0·55 | — | • | • | • | 0 | 41 | • | • | • | • | Shrewsbury. |
| *b*, West *a* Hereford§ | 291 | 76 | 7th | 42 | 6th | 69·3 | 50·7 | 59·6 | + 2·6 | 123 | 0 | 5 | 0·52 | + 0·02 | *5·5* | — | *42* | 0 | 36 | 61·9 | • | 61·8 | • | *Malvern.*§ |
| *a* Cirencester | 446 | 77 | 7th | 43 | 12th | 69·6 | 52·3 | 60·5 | + 4·8 | 130 | 0 | 4 | 0·63 | + 0·13 | 5·3 | + 0·2 | 41 | 0 | 36 | 61·0 | • | 59·1 | • | Cirencester. |
| *a* Bath | 66 | 78 | 7th | 47 | 6th | 71·6 | 52·3 | 61·5 | + 3·7 | 137 | 0 | 5 | 0·87 | + 0·28 | 6·2 | — | 47 | • | • | • | • | • | • | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | • | • | • | 0 | 38 | 64·7 | +5·3 | 61·8 | +1·8 | Canterbury. |
| *p* Kew | 18 | 80 | 7th | 49 | 6, 12 | 71·7 | 54·1 | 62·5 | + 4·1 | 144 | 0 | 4 | 0·69 | + 0·19 | 5·8 | + 0·5 | 44 | 0 | 37 | 61·2 | +2·0 | 59·6 | +1·2 | Kew. |
| *a* Marlborough | 424 | 76 | 7th | 40 | 6th | 69·6 | 48·3 | 58·4 | + 2·6 | 115 | 0 | 3 | 0·74 | + 0·17 | 5·2 | + 0·2 | 40 | 0 | 35 | 61·2 | • | 58·8 | • | Marlborough. |
| *a* Margate | 35 | 77 | 8th | 49 | 12th | 70·1 | 59·1 | 64·3 | + 4·6 | 156 | 0 | 2 | 0·28 | − 0·18 | 6·0 | + 0·6 | 46 | 0 | ? | 66·2 | +6·8 | 64·3 | +5·2 | Margate. |
| *a* Wisley, Surrey | 150 | 81 | 7th | 40 | 6th | 72·9 | 50·9 | 61·4 | + 2·5 | 136 | 0 | 4 | 0·57 | — | 6·4 | — | 49 | 0 | 33 | 62·5 | +3·2 | 60·2 | +0·6 | Wisley. |
| | | | | | | | | | | | | | | | 7·3 | — | 56 | 0 | 46 | 64·6 | +3·8 | 62·0 | +1·5 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 76 | 7, 8 | 45 | 12th | 70·4 | 52·0 | 60·8 | + 2·8 | 132 | 0 | 4 | 0·76 | + 0·23 | • | • | • | 0 | 42 | 61·4 | • | • | • | Salisbury. |
| *a* Tunbridge Wells | 418 | 79 | 7th | 45 | 6th | 71·6 | 53·7 | 62·2 | + 4·6 | 141 | 0 | 4 | 0·60 | + 0·07 | 6·3 | + 0·6 | 48 | 0 | 38 | 62·6 | +2·6 | 60·7 | • | Tunbridge Wells |
| *a* Dungeness | 21 | 71 | 7th | 50 | 12th | 68·6 | 57·6 | 62·8 | + 3·4 | 146 | 0 | 3 | 0·59 | + 0·12 | 7·0 | — | 53 | • | • | • | • | • | • | Littlestone. |
| *p* Hastings | 178 | 74 | 7th | 48 | 12th | 69·6 | 57·0 | 63·0 | + 3·7 | 147 | 0 | 3 | 0·54 | − 0·05 | *7·3* | + *1·2* | *56* | 0 | 43 | 65·6 | • | 62·9 | • | *Hastings.* |
| ‡ Southampton | 65 | 74 | 7, 8 | 51 | 6, 12 | 70·1 | 55·7 | 62·6 | + 2·9 | 144 | 0 | 4 | 0·91 | + 0·36 | 6·2 | + 0·3 | 47 | 0 | 47 | • | • | • | • | Southampton. |
| *a* Ventnor | 80 | 74 | 8th | 54 | 12th | 69·1 | 59·4 | 64·0 | + 3·5 | 154 | 0 | 4 | 0·77 | + 0·20 | 6·2 | 0·0 | 47 | • | • | • | • | • | • | Ventnor. |
| | | | | | | | | | | | | | | | *6·3* | — | *48* | 0 | 50 | 65·1 | +4·2 | 63·0 | +1·9 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 6·9 | + 1·0 | 53 | • | • | 64·6 | • | 62·7 | • | Eastbourne. |
| | | | | | | | | | | | | | | | *5·2* | — | *40* | • | • | 63·0 | • | 62·2 | • | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | *6·8* | + *0·7* | *52* | 0 | 50 | • | • | 63·4 | • | *Brighton.* |
| *a* Westminster | *27* | *79* | *7th* | *49* | *12th* | *72·6* | *56·4* | *64·1* | + *5·2* | *165* | *0* | *5* | *0·54* | + *0·07* | *5·1* | + *0·5* | *38* | 0 | 43 | • | • | • | • | *Westminster.* |
| *a* Greenwich | *155* | *81* | *7–9* | *47* | *6th* | *74·6* | *53·3* | *63·4* | + *4·0* | *150* | *0* | *4* | *0·47* | + *0·02* | *6·3* | + *0·5* | *48* | 0 | 36 | • | • | • | • | *Greenwich.* |
| *a* Hampstead | *450* | *76* | *7, 9* | *47* | *12th* | *70·0* | *54·7* | *62·0* | — | *140* | *0* | *5* | *0·64* | — | *5·3* | — | *41* | 0 | 42 | • | • | • | • | *Hampstead.* |
| *a* Camden Square | *110* | *82* | *7th* | *47* | *12th* | *74·6* | *54·0* | *63·8* | — | *153* | *0* | *4* | *0·61* | — | *4·9* | — | *37* | 0 | 43 | • | • | • | • | *Camden Square.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | *3·9* | — | *29* | 0 | 37 | 58·1 | +3·3 | 56·7 | +1·6 | *Burnley.* |
| | | | | | | | | | | | | | | | 4·5 | — | 34 | • | • | • | • | • | • | Hoylake. |
| *p* Aspatria | 250 | 76 | 8th | 43 | 6th | 67·9 | 48·9 | 57·9 | + 3·0 | 111 | 0 | 4 | 1·00 | + 0·09 | 5·0 | — | 37 | 0 | 39 | 59·4 | • | 56·7 | • | Aspatria. |
| *p* Newton Rigg | 559 | 73 | 8th | 38 | 6th | 67·4 | 46·0 | 56·2 | + 2·6 | 99 | 0 | 5 | 0·68 | − 0·03 | 5·8 | + 1·4 | 43 | 1 | 28 | 59·0 | +2·8 | 57·0 | +1·6 | Newton Rigg. |
| *p* Stonyhurst | 375 | 72 | 8th | 49 | 7, 12 | 66·7 | 52·4 | 59·2 | + 4·1 | 120 | 0 | 5 | 3·51 | + 2·45 | 4·1 | − 0·4 | 31 | 0 | 41 | • | • | • | • | Stonyhurst. |
| *p* Blackpool | 66 | 74 | 6th | 50 | 6th | 67·9 | 53·1 | 60·1 | + 3·4 | 127 | 0 | 5 | 1·15 | + 0·39 | 3·9 | − 0·7 | 29 | 0 | 44 | 59·9 | • | 57·3 | • | Blackpool. |
| *a* Southport | *37* | *74* | *7, 10* | *49* | *7th* | *68·4* | *52·9* | *60·3* | + *3·7* | *138* | *0* | *5* | *1·44* | + *0·72* | *4·1* | − *0·8* | *31* | 0 | 43 | 61·1 | +2·4 | 61·5 | +2·1 | *Southport.* |
| *a* Liverpool (Bidston) | 188 | 72 | 7th | 49 | 12th | 67·1 | 54·0 | 60·2 | + 3·7 | 127 | 0 | 5 | 1·34 | + 0·70 | *4·6* | — | *35* | • | • | • | • | • | • | *Liverpool.* |
| *a* Hawarden Bridge | *23* | *74* | *8th* | *47* | *6th* | *68·3* | *52·4* | *60·0* | + *3·3* | *126* | *0* | *5* | *0·67* | + *0·15* | *4·2* | — | *32* | 0 | 45 | 62·0 | +1·9 | 61·9 | +3·4 | *Manchester (City)* |
| *p* Manchester (Whit. Pk.) | 125 | 75 | 7th | 49 | 12th | 69·3 | 54·3 | 61·4 | + 4·6 | 136 | 0 | 5 | 1·10 | + 0·48 | *4·4* | + *0·7* | *33* | • | • | • | • | • | • | " (Whit. Park) |
| *b* NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 74 | 7th | 50 | 12th | 68·7 | 55·1 | 61·6 | + 3·9 | 137 | 0 | 4 | 0·77 | + 0·18 | 4·8 | + 0·1 | 36 | • | • | • | • | • | • | Llandudno. |
| *a* Holyhead | 17 | 76 | 7th | 53 | 12th | 67·3 | 55·9 | 61·3 | + 4·3 | 135 | 0 | 3 | 0·75 | + 0·09 | *5·4* | — | *41* | • | • | • | • | • | • | *Holyhead.* |
| *Bettws-y-Coed* | *101* | *73* | *7th* | *44* | 6th | *68·1* | *48·4* | *57·8* | + *0·8* | *111* | *0* | *5* | *1·02* | — | *4·0* | — | *30* | • | • | 57·9 | +3·3 | 56·1 | +1·3 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 5·5 | — | 41 | • | • | • | • | • | • | Aberdovey. |

* For note see also opposite page. † At 3 ft § The temperature on the grass refers to Hereford

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date, | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | * | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 5·6 | — | 42 | * | * | | | | | |
| *a* Llangammarch Wells | 550 | 72 | 7,8 | 44 | 7th | 67·0 | 50·3 | 58·3 | + 3·4 | 114 | 0 | 5 | 0·92 | — | 5·2 | — | 39 | 0 | 41 | 59·8 | +3·3 | 57·0 | +1·3 | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 69 | 7, 9 | 55 | 12th | 65·4 | 57·7 | 61·4 | + 4·0 | 136 | 0 | 6 | 1·19 | + 0·51 | 5·2 | - 0·2 | 40 | * | * | * | * | * | * | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 74 | 7th | 49 | 12th | 68·0 | 55·1 | 61·2 | + 3·4 | 134 | 0 | 4 | 1·11 | + 0·24 | 5·7 | — | 44 | 0 | 46 | 63·3 | +4·8 | 60·9 | +2·1 | Pembroke. *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 77 | 7th | 51 | 7th | 70·1 | 55·7 | 62·6 | + 4·0 | 144 | 0 | 4 | 0·69 | + 0·02 | 6·3 | — | 48 | 0 | 49 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 78 | 7th | 47 | 12th | 67·4 | 53·0 | 59·9 | + 2·8 | 125 | 0 | 5 | 1·43 | + 0·78 | * | * | * | * | * | 62·5 | * | 61·3 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 72 | 7th | 49 | 12th | 66·9 | 54·0 | 60·1 | + 3·8 | 127 | 0 | 4 | 2·10 | + 1·01 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *70* | *7th* | *55* | *13th* | *65·0* | *56·6* | *60·6* | *+ 2·0* | *130* | *0* | *6* | *1·92* | *+ 1·32* | 3·0 | - 2·9 | 23 | 0 | 51 | 62·3 | * | 60·4 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 77 | 7th | 46 | 12th | 69·9 | 54·0 | 61·6 | + 4·1 | 137 | 0 | 5 | 1·51 | + 0·88 | 4·0 | - 1·3 | 31 | 0 | 42 | 63·2 | * | * | * | Cullompton. |
| *a* Portland .. .. | 19 | 68 | 7th | 55 | 6th | 65·1 | 58·3 | 61·5 | + 2·1 | 137 | 0 | 5 | 1·22 | — | *5·6* | — | *43* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 74 | 7th | 54 | 12th | 67·9 | 57·1 | 62·2 | + 3·4 | 141 | 0 | 4 | 1·97 | + 1·33 | 4·8 | - 0·9 | 37 | 0 | 49 | 62·8 | +2·4 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 68 | 7, 10 | 52 | 12th | 65·3 | 57·1 | 61·0 | + 2·5 | 133 | 0 | 5 | 1·41 | + 0·64 | 3·1 | - 2·9 | 24 | 0 | 49 | 64·2 | * | 62·8 | * | Falmouth. |
| **9.** IRELAND. N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. *a* Malin Head .. .. | 208 | 66 | 9th | 48 | 12th | 62·3 | 53·9 | 57·9 | + 2·6 | 111 | 0 | 3 | 0·71 | - 0·03 | *2·2* | — | *17* | * | * | * | * | * | * | * * |
| *a* Blacksod Point .. | 37 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | * * |
| *p* Markree Castle .. | 122 | 70 | 7th | 48 | 11, 12 | 65·3 | 53·0 | 58·9 | + 4·3 | 118 | 0 | 4 | 0·63 | - 0·27 | 2·5 | - 1·3 | 19 | 0 | 42 | 60·8 | * | 58·0 | * | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 69 | 6, 7 | 50 | 12th | 64·6 | 53·9 | 59·0 | + 3·5 | 119 | 0 | 7 | 1·15 | + 0·47 | *2·4* | *- 2·0* | *18* | * | * | * | * | * | * | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 70 | 7th | 47 | 12th | 64·1 | 50·9 | 57·2 | + 2·3 | 106 | 0 | 4 | 0·73 | + 0·03 | 3·3 | - 0·7 | 25 | 0 | 43 | 59·7 | +2·2 | 58·4 | +1·3 | Armagh. |
| *a* Donaghadee .. .. | 48 | 63 | 7, 8 | 46 | 12th | 60·6 | 53·6 | 56·9 | + 1·2 | 104 | 0 | 5 | 0·53 | - 0·15 | * | * | * | * | * | * | * | * | * | * * |
| | | | | | | | | | | | | | | | *3·6* | — | *27* | 0 | 47 | 61·4 | +3·5 | 59·3 | +1·7 | *Trinity Coll.* |
| **10.** IRELAND. S. | | | | | | | | | | | | | | | 4·0 | - 0·9 | 30 | 0 | 45 | * | * | * | * | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 69 | 8th | 50 | 12th | 64·9 | 55·4 | 59·9 | + 2·6 | 123 | 0 | 4 | 0·54 | - 0·09 | * | * | * | 0 | 50 | * | * | * | * | Dublin City. |
| *a*, East .. *a* Kilkenny .. .. | 212 | 71 | 9th | 50 | 12th | 65·9 | 56·3 | 60·9 | + 4·9 | 132 | 0 | 7 | 0·69 | + 0·04 | * | * | * | * | * | * | * | * | * | * * |
| *a* Waterford .. .. | 20 | 72 | 9th | 51 | 12th | 66·3 | 56·7 | 61·3 | + 4·5 | 135 | 0 | 4 | 0·76 | + 0·01 | * | * | * | * | * | * | * | * | * | * * |
| *a Seskin, Carrick-on-Suir* | *541* | *68* | *9th* | *48* | *11th* | *63·4* | *54·0* | *58·5* | — | *116* | *0* | *6* | *1·89* | — | *2·2* | — | *17* | 0 | 45 | * | * | * | * | *Seskin.* |
| *b*, West .. *a* Birr Castle .. .. | 175 | 69 | 6, 7 | 50 | 12th | 64·6 | 53·9 | 59·0 | + 3·5 | 119 | 0 | 7 | 1·15 | + 0·47 | 2·4 | - 2·0 | 18 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes .. .. | 50 | 70 | 9th | 51 | 12th | 63·9 | 56·3 | 59·9 | + 3·3 | 125 | 0 | 7 | 1·19 | + 0·42 | * | * | * | * | * | * | * | * | * | * * |
| *a* Cahir .. .. .. | 198 | 69 | 9, 10 | 49 | 12th | 64·9 | 55·4 | 59·9 | + 3·6 | 125 | 0 | 7 | 2·34 | — | * | * | * | * | * | * | * | * | * | * * |
| *a* Killarney .. .. | 174 | 70 | 9th | 53 | 11, 12 | 66·0 | 57·6 | 61·6 | + 5·3 | 137 | 0 | 7 | 1·24 | + 0·28 | * | * | * | * | * | * | * | * | * | * * |
| *a* Valencia .. .. | 30 | 69 | 9th | 53 | 6th | 64·3 | 56·4 | 60·2 | + 3·1 | 127 | 0 | 6 | 1·69 | + 0·65 | 1·4 | - 3·2 | 11 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. .. | 32 | 68 | 10th | 52 | 12th | 63·7 | 58·0 | 60·7 | + 3·5 | 131 | 0 | 7 | 1·82 | + 1·04 | 2·0 | — | 15 | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 68 | 6th | 54 | 12th | 65·1 | 56·9 | 60·8 | + 1·4 | 132 | 0 | 7 | 1·69 | + 1·09 | 2·7 | - 3·6 | 21 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 77 | 7th | 56 | 12th | 69·3 | 60·1 | 64·5 | + 3·1 | 158 | 0 | 5 | 1·61 | + 1·01 | 5·5 | - 1·2 | 42 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 74 | 6, 7 | 55 | 12th | 68·6 | 57·9 | 63·0 | + 2·3 | 147 | 0 | 6 | 1·79 | + 1·12 | 5·3 | - 1·4 | 41 | * | * | * | * | * | * | Guernsey.* |

Additional Sunshine Means:—*Bognor, 6·0 hrs. 46 %; Ramsgate, hrs. %; Rhyl, 5·0 hrs. 38 %; Salcombe, 4·6 hrs. 35 %; Tenby, 6·2 hrs. (+0·7) 47 %; Torquay, 4·5 hrs. (-1·4) 34 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Sept. 12th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | 49 | 48 | 48·6 | -4·5 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 63 | 57 | 60·1 | +4·4 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 53 | 51 | 52·0 | -1·2 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 60 | 59 | 59·6 | -2·2 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 66 | 64 | 65·0 | +2·6 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 60 | 58 | 58·8 | +2·4 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 62 | 59 | 60·4 | — |
| Plymouth‡ .. .. | 63 | 62 | 62·7 | +3·2 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | — | — | — | — |
| Seafield .. .. | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, September 12th.

| DISTRICT AND STATION | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | — | — | 1 | 167 | WNW. 6 | 11th 14h. | 14 11th 16.50 |
| Aberdeen .. .. | 105 | — | — | — | — | 16 | 152 | WNW. 9 | 11th 15h. | 17 11th 11.40 |
| Rosyth .. .. | 73 | — | — | 11th | 1 | 50 | 117 | W. 11 | 11th 17h. | 18 12th 12.40 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | — | — | 30 | 138 | WNW. 9 | 11th 12h. | 16 11th 11.55 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 12 | 156 | NW. 8 | 11th 13h. | 16 11th 10.10 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | — | 168 | WSW. 5 | 12th 4h. | 13 11th 15. 0 |
| South Shields .. | 61 | — | — | 12th | 2 | 29 | 137 | WNW. 12 | 12th 5h. | 16 12th 4.45 |
| Spurn Head .. | 40 | — | — | 11, 12 | 10 | 48 | 110 | WNW. 13 | 11th 16h. | 18 11th 16.25 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | — | — | 67 | 101 | — 10 | 11th 13h. | 15 11th 13.10 |
| Shoeburyness .. | 90 | — | — | 11th | 1 | 48 | 119 | SW.by S. 12 | 11th 13h. | 18 11th 12.40 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 11, 12 | 7 | 33 | 128 | — 17 | 11th 13h. | 24 11th 13.30 |
| Warlingham .. | 33 | — | — | — | — | 6 | 162 | — 7 | 11th 11h. | 16 11th 11.40 |
| Brighton .. .. | 53 | — | — | — | — | — | — | — — | — — | — — — |
| Kew .. .. .. | 40 | — | — | — | — | 6§ | 157§ | ESE. 6 | 6th 11h. | 13 11th 10.40 |
| South Kensington | 92 | — | — | — | — | — | 168 | W. 5 | 12th 9h. | 10 11th 14.15 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | 13 | 155 | WNW. 8 | 12th 3h | 14 12th 22. 0 |
| Southport .. .. | 62 | — | — | 11, 12 | 35 | 29 | 104 | W. 17 | 12th 2h. | 30 12th 22.35 |
| Holyhead .. .. | 40 | 12th | 2 | 8, 11, 12 | 26 | 42 | 98 | WNW. 17 | 12th 24h. | 23 12th 22.35 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | 12th | 5 | 7-9, 11, 12 | 48 | 96 | 19 | W. 19 | 12th 20h. | 29 12th 20.10 |
| Plymouth .. .. | 88 | — | — | — | — | 55 | 113 | — 10 | 8th 13h. | 18 12th 23.25 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 11, 12 | 35§ | 73§ | 43§ | — 16 | 12th 20h. | 23 11th 19.50 |
| Weaver Pt. .. | 30 | — | — | 12th | 1§ | 85§ | 80§ | — 11 | 12th 19h. | 18 12th 19. 0 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | — | — | — | — | — — | — — | — — — |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

**THIRTY-SIXTH WEEK**—September 6th to September 12th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Means of | | | | Accumulated Number of Day-Degrees. | | | | | | | | | | | |
| | Highest. | Lowest. | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 75 | 39 | 62·6 | 49·3 | 55·6 | + 2·4 | 95 | + 16 | 0 | 0 | 4 | − 1 | 0·67 | −0·32 | 5·5 | +1·9 | 41 | 1011 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 74 | 31 | 65·1 | 46·7 | 55·5 | + 1·3 | 95 | + 9 | 0 | 0 | 2 | − 2 | 0·15 | −0·37 | 5·5 | +1·1 | 40 | 1012 |
| 2. ENGLAND, N.E. ... ... | 81 | 39 | 67·2 | 51·7 | 59·1 | + 3·2 | 120 | + 22 | 0 | 0 | 4 | + 1 | 0·38 | −0·22 | 5·3 | +0·4 | 40 | 1014 |
| 3. ENGLAND, EAST ... | 81 | 45 | 70·2 | 54·0 | 61·7 | + 4·0 | 138 | + 28 | 0 | 0 | 4 | + 1 | 0·57 | +0·07 | 5·8 | +0·5 | 44 | 1014 |
| 4 MIDLAND COUNTIES ... | 81 | 41 | 69·5 | 51·0 | 59·8 | + 3·3 | 125 | + 23 | 0 | 0 | 4 | + 1 | 0·57 | +0·06 | 4·9 | +0·1 | 37 | 1013 |
| 5. ENGLAND, S.E. ... ... | 81 | 40 | 70·4 | 54·8 | 62·2 | + 3·4 | 141 | + 23 | 0 | 0 | 4 | + 1 | 0·65 | +0·08 | 6·3 | +0·8 | 48 | 1014 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 77 | 36 | 65·5 | 50·7 | 57·7 | + 2·9 | 110 | + 20 | 0 | 0 | 4 | + 1 | 0·80 | −0·14 | 4·6 | −0·1 | 34 | 1013 |
| 7. ENGLAND, N.W. ... ... | 76 | 38 | 67·8 | 52·5 | 59·7 | + 3·4 | 124 | + 24 | 0 | 0 | 5 | + 2 | 1·29 | +0·59 | 4·8 | +0·2 | 36 | 1012 |
| 8. ENGLAND, S.W. ... ... | 78 | 44 | 67·3 | 55·2 | 61·0 | + 4·7 | 133 | + 25 | 0 | 0 | 5 | + 1 | 1·36 | +0·65 | 4·4 | −0·9 | 34 | 1012 |
| 9. IRELAND, NORTH ... | 70 | 46 | 63·4 | 53·1 | 58·0 | + 2·8 | 112 | + 19 | 0 | 0 | 5 | 0 | 0·75 | −0·03 | 2·9 | −1·1 | 22 | 1012 |
| 10. IRELAND, SOUTH ... | 72 | 49 | 64·9 | 56·2 | 60·4 | + 4·0 | 129 | + 28 | 0 | 0 | 6 | + 2 | 1·27 | +0·56 | 2·5 | −2·2 | 18 | 1012 |
| 11. ENGLISH CHANNEL ... | 77 | 54 | 67·7 | 58·3 | 62·8 | + 2·7 | 146 | + 19 | 0 | 0 | 6 | + 3 | 1·70 | +1·14 | 4·5 | −1·9 | 34 | 1013 |

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 2 Weeks, August 30th to September 12th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 75 | 39 | * | * | * | * | 191 | + 30 | 0 | 0 | 6 | − 4 | 0·90 | −1·20 | 4·9 | +1·3 | 36 | 1018 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 76 | 31 | * | * | * | * | 197 | + 21 | 0 | 0 | 3 | − 6 | 0·19 | −1·04 | 4·4 | −0·1 | 32 | 1019 |
| 2. ENGLAND, N.E. ... ... | 82 | 39 | * | * | * | * | 254 | + 53 | 0 | 0 | 5 | − 2 | 0·45 | −0·79 | 5·3 | +0·5 | 39 | 1020 |
| 3. ENGLAND, EAST ... | 82 | 43 | * | * | * | * | 282 | + 57 | 0 | 0 | 5 | − 2 | 0·58 | −0·44 | 6·7 | +1·3 | 49 | 1020 |
| 4. MIDLAND COUNTIES ... | 82 | 41 | * | * | * | * | 271 | + 62 | 0 | 0 | 5 | − 2 | 0·58 | −0·57 | 5·1 | +0·3 | 38 | 1019 |
| 5. ENGLAND, S.E. ... ... | 82 | 40 | * | * | * | * | 292 | + 51 | 0 | 0 | 4 | − 3 | 0·65 | −0·58 | 7·7 | +2·1 | 58 | 1019 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 77 | 36 | * | * | * | * | 230 | + 46 | 0 | 0 | 4 | − 4 | 0·80 | −1·28 | 5·1 | +0·5 | 37 | 1020 |
| 7. ENGLAND, N.W. ... ... | 77 | 38 | * | * | * | * | 261 | + 56 | 0 | 0 | 6 | − 2 | 1·33 | −0·26 | 5·5 | +1·0 | 41 | 1018 |
| 8. ENGLAND, S.W. ... ... | 80 | 44 | * | * | * | * | 282 | + 61 | 0 | 0 | 6 | − 2 | 1·39 | −0·21 | 5·8 | +0·5 | 43 | 1018 |
| 9. IRELAND, NORTH ... | 75 | 44 | * | * | * | * | 233 | + 44 | 0 | 0 | 6 | − 4 | 0·76 | −0·97 | 3·3 | −0·7 | 25 | 1018 |
| 10. IRELAND, SOUTH ... | 78 | 49 | * | * | * | * | 270 | + 63 | 0 | 0 | 7 | − 1 | 1·30 | −0·30 | 3·1 | −1·5 | 23 | 1018 |
| 11. ENGLISH CHANNEL ... | 82 | 52 | * | * | * | * | 304 | + 46 | 0 | 0 | 8 | 0 | 1·97 | +0·75 | 5·7 | −0·8 | 43 | 1018 |

THE YEAR.—Aggregates, &c., for the Period of 36 Weeks, January 4th, 1914, to September 12th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 1837 | +204 | 391 | −166 | 160 | − 5 | 30·25 | −2·15 | 3·7 | +0·1 | 28 | 1010 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 2091 | +235 | 492 | −128 | 127 | −10 | 18·85 | −1·24 | 4·5 | +0·2 | 33 | 1011 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 2475 | +427 | 299 | −176 | 117 | − 6 | 14·99 | −1·07 | 4·9 | +0·3 | 37 | 1013 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 2743 | +373 | 299 | −222 | 112 | − 7 | 14·25 | −1·14 | 5·4 | +0·4 | 41 | 1015 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 2657 | +319 | 367 | −166 | 118 | 0 | 16·52 | −0·75 | 4·7 | +0·2 | 35 | 1015 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 2811 | +274 | 240 | −141 | 111 | − 2 | 17·97 | +1·29 | 5·8 | +0·7 | 44 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 2213 | +220 | 317 | −108 | 144 | + 1 | 27·73 | −2·06 | 4·4 | 0·0 | 33 | 1011 |
| 7. ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 2477 | +310 | 227 | −159 | 130 | − 1 | 21·48 | −0·43 | 4·8 | +0·3 | 37 | 1013 |
| 8. ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 2657 | +257 | 192 | −109 | 138 | + 9 | 28·29 | +4·93 | 5·1 | +0·1 | 39 | 1012 |
| 9. IRELAND, NORTH ... | 80 | 25 | * | * | * | * | 2274 | +194 | 246 | − 99 | 158 | + 1 | 24·79 | +0·15 | 4·0 | −0·1 | 30 | 1011 |
| 10. IRELAND, SOUTH ... | 81 | 24 | * | * | * | * | 2625 | +238 | 174 | − 85 | 158 | +19 | 27·43 | +1·54 | 4·5 | 0·0 | 34 | 1013 |
| 11. ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 2950 | +237 | 72 | − 37 | 133 | − 3 | 22·41 | +3·17 | 5·7 | −0·3 | 43 | 1015 |

M.O., September 16, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.: or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH: or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 37. THIRTY-SEVENTH WEEK, SUNDAY, SEPTEMBER 13TH, TO SATURDAY, SEPTEMBER 19TH, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

Rather large and deep depressions, travelling from west to east across these Islands, caused a very rough and unstable condition of the weather. On several occasions the wind rose to gale force on different parts of the coast, the greatest strength occurring on the 14th, when the wind blew a gale from West-South-West, veering to West or West-North-West, over nearly the whole Kingdom. On the 17th the passage of a well-marked "V"-shaped disturbance was accompanied by a gale on our southern and several parts of our western coasts. Rain was heavier and more frequent in the west and north-west than elsewhere, and at several stations the fall on the 16th exceeded an inch. The largest measurements were about 1·3 in. at Holyhead, Blackpool and Southport, 1·5 in. at Cahir, and 1·7 in. at Fort William. On the same day 1·3 in. was recorded at Guernsey. Thunderstorms, or thunder only, occurred at some stations in Scotland and the north of England on the 17th, and at others in the north-west and east of England on the 19th.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Deficient | Deficient | Moderate | Moderate | Moderate | Moderate | Deficient | Deficient | Moderate | Deficient | Deficient | Moderate |
| | Rainfall ... | Heavy | Heavy | Heavy | Moderate | Moderate | Moderate | Heavy | Very Heavy | Heavy | Moderate | Heavy | Very heavy |
| | Sunshine ... | Scanty | Moderate | Moderate | Moderate | Abundant | Moderate | Moderate | Moderate | Scanty | Moderate | Moderate | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 3 weeks from Aug. 30th, 1914. | Warmth ... | 2·1 | 2·1 | 2·0 | 2·0 | 2·0 | 2·0 | 2·1 | 2·1 | 2·0 | 2·1 | 2·1 | 2·0 |
| | Rainfall ... | 1·1 | 1·2 | 1·1 | 0·1 | 0·1 | 0·1 | 1·1 | 2·1 | 2·1 | 0·1 | 2·1 | 2·0 |
| | Sunshine ... | 2·1 | 1·1 | 0·0 | 1·0 | 1·0 | 2·0 | 1·0 | 1·0 | 1·2 | 0·1 | 0·1 | 0·2 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6·0 | 8·0 | 8·0 | 10·0 | 11·0 | 11·0 | 6·0 | 9·0 | 9·0 | 8·0 | 9·2 | 11·0 |
| | Rainfall ... | 4·4 | 2·4 | 4·6 | 5·6 | 5·4 | 5·5 | 2·4 | 4·6 | 3·5 | 3·2 | 7·1 | 4·3 |
| | Sunshine ... | 5·4 | 5·6 | 6·3 | 4·1 | 4·3 | 5·2 | 1·4 | 6·3 | 4·6 | 2·5 | 2·6 | 2·4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6·3 | 7·2 | 7·2 | 9·3 | 7·4 | 7·4 | 4·2 | 8·3 | 7·4 | 7·2 | 7·4 | 6·4 |
| | Rainfall ... | 5·2 | 5·4 | 1·7 | 3·9 | 2·8 | 3·5 | 5·4 | 5·6 | 3·5 | 5·5 | 4·6 | 5·7 |
| | Sunshine ... | 3·1 | 2·2 | 1·2 | 3·4 | 2·6 | 4·4 | 2·6 | 2·0 | 3·5 | 1·9 | 1·7 | 2·5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3·1 | 6·0 | 8·1 | 8·2 | 6·1 | 7·1 | 5·3 | 5·1 | 8·1 | 6·3 | 6·2 | 9·1 |
| | Rainfall ... | 5·2 | 5·5 | 4·6 | 4·5 | 4·5 | 5·4 | 6·4 | 4·5 | 7·6 | 5·5 | 4·6 | 6·5 |
| | Sunshine ... | 4·4 | 4·2 | 3·2 | 6·5 | 4·5 | 4·1 | 4·2 | 4·2 | 4·2 | 4·4 | 4·4 | 4·4 |
| SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. | Warmth ... | 5·0 | 6·3 | 6·1 | 6·1 | 5·2 | 5·2 | 7·2 | 5·1 | 5·2 | 6·1 | 4·2 | 5·3 |
| | Rainfall ... | 2·4 | 2·4 | 3·5 | 3·5 | 3·4 | 2·4 | 2·7 | 4·3 | 5·3 | 2·7 | 4·2 | 7·3 |
| | Sunshine ... | 6·2 | 4·3 | 4·5 | 5·3 | 6·5 | 5·2 | 3·4 | 6·4 | 3·5 | 5·3 | 4·4 | 1·6 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**
**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**
**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(2636—19.) Wt. 229—611. 450. 9/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | **Temperature of the Air.** In Degrees Fahrenheit. | | | | | | | | | **Rainfall.** | | | **Bright Sunshine.** Hours per Day. | | | **Ground Temperature.** | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | | | | | | | | | | | | | | | | | | | | | | *Baltasound.* |
| *a*, Islands .. *a* Lerwick | 54 | 54 | 13–16 | 44 | 19th | 52·4 | 46·3 | 49·2 | – 1·6 | 50 | 0 | 6 | 1·18 | — | 2·6 | – 0·1 | 20 | • | • | • | • | • | • | Deerness. |
| *a* Stornoway | 51 | 55 | 13, 15–18 | 42 | 13, 16 | 54·1 | 43·9 | 48·8 | – 3·2 | 48 | 0 | 7 | 2·17 | + 1·16 | 3·0 | – 0·9 | 23 | • | • | • | • | • | • | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *57* | *14–17* | *46* | *13, 15* | *55·4* | *48·0* | *51·5* | – *1·7* | *67* | *0* | *7* | *1·26* | — | *4·1* | — | *32* | • | • | • | • | • | • | *Castlebay.* |
| *a* Wick | 81 | 57 | 17th | 40 | 13, 16 | 54·4 | 42·9 | 48·4 | – 3·7 | 45 | 0 | 7 | 1·46 | + 0·86 | • | • | • | • | • | • | • | • | • | |
| *b*, Main- land. *p* Strathpeffer | 200 | 58 | 17th | 40 | 16th | 55·9 | 42·6 | 48·9 | – 3·4 | 48 | 0 | 6 | 0·75 | + 0·18 | 3·0 | – 0·9 | 23 | • | • | • | • | • | • | Strathpeffer. |
| *p* Glencarron | 500 | | | | | | | | | | | | | | • | | | • | • | • | • | • | • | |
| *p* Fort Augustus | 68 | 59 | 17th | 40 | 13th | 55·7 | 44·9 | 50·0 | – 2·9 | 56 | 0 | 7 | 1·36 | + 0·46 | 1·5 | – 1·3 | 12 | • | • | • | • | • | • | Fort Augustus. |
| *p* Fort William | 175 | 59 | 17th | 40 | 13th | 56·4 | 44·6 | 50·2 | – 3·2 | 57 | 0 | 6 | 2·99 | + 1·34 | • | • | • | • | • | • | • | • | • | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle | 101 | 64 | 16th | 40 | 13th | 58·9 | 44·4 | 51·2 | – 2·3 | 64 | 0 | 6 | 1·10 | + 0·50 | 4·5 | — | 35 | 2 | 26 | 54·1 | – 0·2 | 55·7 | +1·0 | Crathes S. |
| *a* Nairn | 82 | 59 | 14, 16 | 39 | 13th | 57·0 | 42·4 | 49·4 | – 3·7 | 52 | 0 | 6 | 0·99 | + 0·49 | *4·0* | — | *31* | • | • | • | • | • | • | *Gordon Castle.* |
| *a* Aberdeen | 46 | 62 | 14th | 41 | 13, 16 | 58·9 | 44·4 | 51·3 | – 1·9 | 65 | 0 | 6 | 0·80 | + 0·23 | 3·5 | — | 27 | • | • | • | • | • | • | Nairn. |
| *a* Balmoral | 930 | 62 | 15th | 32 | 17th | 58·3 | 38·3 | 47·8 | – 2·1 | 56 | 10 | 7 | 0·98 | + 0·32 | 5·3 | + 1·1 | 41 | • | • | • | • | 54·5 | +1·7 | Aberdeen. |
| *p* Crieff | 432 | 61 | 14, 18 | 38 | 13th | 58·1 | 43·0 | 50·2 | – 3·7 | 57 | 0 | 6 | 0·83 | + 0·08 | • | • | • | 3 | 28 | • | • | • | • | Balmoral. |
| *a* Leith | 18 | 64 | 14th | 44 | 13, 19 | 59·7 | 46·1 | 52·6 | – 2·4 | 74 | 0 | 5 | 0·45 | + 0·01 | 1·3 | — | 10 | • | • | • | • | • | • | Balruddery. |
| *a* West Linton | 800 | 60 | 14th | 34 | 19th | 55·9 | 38·4 | 46·7 | – 5·4 | 48 | 10 | 7 | 0·94 | — | • | • | • | • | • | • | • | • | • | |
| *p* Marchmont | 498 | 64 | 14th | 40 | 13th | 60·1 | 42·3 | 50·7 | – 1·8 | 61 | 0 | 6 | 0·64 | + 0·01 | *4·2* | — | *33* | 1 | 27 | • | • | • | • | *West Linton.* |
| *a Edinburgh* | *441* | *63* | *14th* | *42* | *19th* | *57·9* | *45·9* | *51·6* | — | *67* | *0* | *5* | *0·47* | — | 5·9 | + 1·9 | 46 | 0 | 35 | • | • | • | • | Marchmont. |
| | | | | | | | | | | | | | | | 5·4 | — | 42 | 0 | 35 | • | • | • | • | Edinburgh. |
| **6.** *a*, SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 57 | 13, 16, 18 | 43 | 16th | 55·7 | 45·7 | 50·5 | – 3·9 | 60 | 0 | 7 | 1·69 | + 0·56 | • | • | • | • | • | • | • | • | • | |
| *p* Glasgow Observatory | 180 | 60 | 14th | 43 | 13th | 56·3 | 46·4 | 51·1 | – 2·3 | 64 | 0 | 5 | 1·14 | + 0·37 | 3·7 | + 0·2 | 29 | 0 | 34 | • | • | • | • | Glasgow. |
| *p* Rothesay | 90 | 59 | 14th | 45 | 13, 15 | 57·4 | 47·3 | 52·1 | – 2·1 | 71 | 0 | 7 | 1·98 | + 0·96 | *4·6* | — | *36* | 0 | 42 | 55·7 | • | 55·6 | +1·7 | *Rothesay.* |
| *a* Kilmarnock | 90 | 60 | 13, 14 | 38 | 19th | 57·9 | 45·0 | 51·1 | – 2·5 | 64 | 0 | 6 | 0·71 | — | *4·5* | — | *35* | • | • | • | • | • | • | *Kilmarnock.* |
| *a* Colmonell | 150 | 62 | 14th | 45 | 13th | 59·6 | 47·7 | 53·4 | – 1·3 | 80 | 0 | 6 | 0·78 | – 0·15 | • | • | • | 0 | 40 | • | • | • | • | |
| *p* Dumfries | 160 | 59 | 13th | 41 | 19th | 57·4 | 46·4 | 51·6 | – 3·3 | 67 | 0 | 6 | 0·71 | – 0·01 | *5·5* | — | *43* | 0 | 35 | 56·1 | • | 58·6 | • | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 60 | 14, 18, 19 | 41 | 13th | 57·9 | 45·4 | 51·4 | – 1·6 | 66 | 0 | 5 | 0·75 | – 0·18 | • | • | • | • | • | • | • | • | • | |
| *b*, I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 60 | 14th | 46 | 19th | 56·9 | 48·1 | 52·3 | – 2·1 | 72 | 0 | 6 | 1·25 | + 0·35 | 4·6 | – 0·3 | 36 | 0 | 42 | • | • | • | • | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 66 | 14th | 42 | 16th | 60·0 | 45·7 | 52·4 | – 1·2 | 73 | 0 | 4 | 0·57 | + 0·01 | 5·5 | — | 43 | 0 | 34 | 50·5 | – 2·0 | 55·0 | +1·7 | Cockle Park. |
| *a* Tynemouth | 96 | 65 | 14th | 43 | 19th | 59·3 | 45·6 | 52·1 | – 2·5 | 71 | 0 | 4 | 1·34 | + 0·90 | *4·9* | — | *38* | • | • | • | • | • | • | *Tynemouth.* |
| *p* Durham | 336 | 64 | 14th | 41 | 13, 19 | 58·9 | 44·3 | 51·3 | – 3·1 | 65 | 0 | 5 | 1·25 | + 0·80 | 5·1 | + 1·1 | 40 | 0 | 37 | • | • | • | • | Durham. |
| *a*, North .. *p* Rounton | 249 | 64 | 14th | 42 | 13th | 59·1 | 45·6 | 52·0 | – 2·0 | 70 | 0 | 6 | 1·39 | + 0·96 | • | • | • | 0 | 37 | 56·3 | • | • | • | Rounton. |
| *a West Witton* | *605* | *64* | *14th* | *42* | *19th* | *59·3* | *46·4* | *52·5* | — | *74* | *0* | *7* | *1·77* | — | • | • | • | 0 | 37 | 54·7 | • | 55·4 | • | *West Witton.* |
| *p* Scarborough | 100 | 68 | 14th | 45 | 13th | 61·7 | 48·9 | 55·0 | – 0·6 | 91 | 0 | 4 | 1·01 | + 0·55 | 6·1 | — | 47 | • | • | • | • | 59·5† | • | Scarborough. |
| *p* York | 56 | 68 | 14th | 45 | 13, 19 | 61·3 | 47·6 | 54·1 | – 1·7 | 85 | 0 | 2 | 0·82 | + 0·40 | 5·3 | + 1·2 | 41 | • | • | 57·9 | +1·5 | 58·8 | +2·6 | York. |
| | | | | | | | | | | | | | | | *3·8* | — | *30* | 0 | 39 | 54·3 | – 1·2 | 57·6 | +1·7 | *Hull.* |
| *b*, South .. *a* Spurn Head | 26 | 69 | 14th | 47 | 13, 19 | 63·1 | 48·6 | 55·5 | – 1·3 | 95 | 0 | 5 | 0·47 | + 0·12 | *6·1* | — | *47* | • | • | • | • | • | • | *Spurn Head.* |
| *a* Lincoln | 58 | 70 | 14th | 45 | 16th | 63·1 | 48·7 | 55·5 | – 0·9 | 95 | 0 | 2 | *0·27* | – 0·15 | • | • | • | • | • | 56·8 | +0·2 | 60·1 | +3·5 | Lincoln. |
| *a* Fulbeck | 180 | 70 | 14th | 43 | 19th | 62·7 | 46·9 | 54·4 | – 2·0 | 87 | 0 | 5 | 0·14 | – 0·29 | 6·7 | — | 52 | 0 | 42 | 58·2 | – 0·2 | 59·4 | +1·8 | Rauceby. |
| | | | | | | | | | | | | | | | 6·4 | — | 50 | • | • | • | • | • | • | Skegness. |
| | | | | | | | | | | | | | | | *5·9* | — | 47 | 0 | 41 | 58·1 | – 0·9 | 60·5 | +1·7 | *Lowestoft.* |
| *p* Cromer | 196 | 72 | 14th | 42 | 13th | 62·6 | 47·6 | 54·7 | – 1·8 | 89 | 0 | 5 | 0·42 | — | 5·5 | — | 43 | • | • | • | • | • | • | Cromer. |
| *p* Little Massingham | 280 | 70 | 14th | 46 | 13, 15, 19 | 62·4 | 47·9 | 54·8 | – 1·5 | 90 | 0 | 6 | 0·39 | – 0·18 | 5·5 | + 0·7 | 43 | 0 | 43 | • | • | • | • | Lit. Massingham. |
| *a*, North .. *a* Yarmouth | 17 | 72 | 14th | 44 | 19th | 63·7 | 46·0 | 54·4 | – 2·6 | 87 | 0 | 3 | 0·32 | – 0·15 | 5·7 | — | 45 | • | • | 58·3 | – 0·9 | 61·7 | +1·7 | Yarmouth. |
| *a* Norwich | 93 | 71 | 14th | 46 | 19th | 63·0 | 49·6 | 56·0 | – 1·0 | 98 | 0 | 5 | 0·47 | — | *5·4* | — | *43* | 0 | 43 | 57·2 | • | • | • | *Norwich.* |
| *a* Geldeston | 37 | 72 | 14th | 46 | 19th | 64·6 | 49·4 | 56·5 | – 0·1 | 102 | 0 | 4 | 0·26 | – 0·22 | 5·5 | + 0·2 | 43 | • | • | • | • | • | • | Geldeston. |
| *p* Cambridge | 41 | 70 | 14th | 47 | 15, 19 | 63·6 | 49·7 | 56·3 | – 1·0 | 100 | 0 | 2 | 0·25 | – 0·18 | 5·1 | 0·0 | 40 | 0 | 39 | 58·6 | +0·5 | 60·4 | +1·7 | Cambridge. |
| *a Felixstowe* | *10* | *71* | *14th* | *49* | *15, 16* | *63·7* | *53·4* | *57·7* | *0·0* | *110* | *0* | *3* | *0·25* | — | *5·6* | — | *44* | • | • | • | • | • | • | *Felixstowe.* |
| *b*, South .. *a* Clacton-on-Sea | 54 | 70 | 14th | 46 | 19th | 63·9 | 49·7 | 56·5 | – 1·0 | 102 | 0 | 3 | 0·20 | — | 5·8 | — | 46 | 0 | 43 | 58·4 | – 0·2 | 60·9 | +1·8 | Clacton. |
| *a* Rothamsted | 424 | 68 | 14th | 45 | 15, 19 | 62·4 | 48·3 | 54·9 | – 0·9 | 90 | 0 | 5 | 0·48 | – 0·02 | 5·2 | + 0·2 | 41 | • | • | • | • | • | • | Rothamsted. |
| *a Shoeburyness* | *13* | *70* | *14th* | *46* | *19th* | *65·0* | *51·4* | *57·9* | – *1·1* | *111* | *0* | *4* | *0·24* | – *0·18* | *5·6* | — | *44* | 0 | 39 | 60·7 | 0·0 | • | • | *Southend.* |
| *p* Tottenham | 51 | 72 | 17th | 48 | 19th | 63·3 | 51·4 | 57·0 | – 0·6 | 105 | 0 | 4 | 0·23 | — | 6·6 | — | 52 | 0 | 40 | • | • | 62·6 | +2·1 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate | 476 | 65 | 14th | 41 | 13th | 59·6 | 45·6 | 52·3 | – 1·8 | 72 | 0 | 5 | 1·13 | + 0·55 | *5·4* | — | *42* | 0 | 40 | 55·3 | – 0·4 | 57·4 | +1·8 | *Huddersfield.* |
| *a* Bawtry | 65 | 69 | 13th | 45 | 13, 16, 19 | 62·3 | 48·6 | 55·1 | – 0·4 | 92 | 0 | 3 | 0·21 | – 0·18 | 6·4 | — | 50 | 0 | 36 | 54·8 | +0·1 | 56·7 | +2·5 | Harrogate. |
| *p Buxton* | *987* | *63* | *14th* | *40* | *19th* | *56·3* | *44·9* | *50·3* | – *2·3* | *58* | *0* | *7* | *2·06* | + *1·19* | 5·7 | + 1·6 | 44 | 0 | 36 | 56·5 | • | 57·5 | • | Worksop. |
| *a*, East .. *a* Nottingham | 82 | 69 | 14th | 44 | 16, 17 | 62·3 | 46·4 | 54·0 | – 1·9 | 84 | 0 | 4 | *4·2* | — | *5·3* | — | *33* | 0 | 36 | 54·1 | – 0·2 | 57·8 | +3·4 | *Buxton.* |
| *p* Birmingham, Edgbsn. | 535 | 66 | 14th | 45 | 13, 19 | 59·6 | 47·7 | 53·4 | – 2·4 | 80 | 0 | 7 | 0·20 | – 0·26 | 5·3 | — | 41 | 0 | 37 | 55·8 | +0·2 | 59·7 | +2·3 | Nottingham. |
| *a* Raunds | 203 | 72 | 13th | 43 | 19th | 65·3 | 47·7 | 56·1 | + 0·1 | 99 | 0 | 5 | 0·47 | – 0·01 | 4·9 | — | 39 | 0 | 38 | 53·5 | – 0·1 | 55·0 | +1·5 | Birmingham. |
| *p* Oxford | 208 | 68 | 14th | 47 | 13, 19 | 62·9 | 50·0 | 56·1 | – 0·6 | 99 | 0 | 6 | 0·21 | — | *5·5* | — | *43* | • | • | 59·7 | • | 59·0 | • | *Raunds.* |
| | | | | | | | | | | | | | 0·30 | – 0·13 | 5·2 | + 0·2 | 41 | 0 | 41 | • | • | • | • | Oxford. |
| *a* Cheadle | 646 | 64 | 14th | 41 | 19th | 58·6 | 46·6 | 52·3 | – 1·9 | 72 | 0 | 6 | 1·04 | + 0·42 | 6·8 | — | 53 | 0 | 40 | 56·2 | +0·6 | 56·9 | +0·6 | Sheffield. |
| *p* Shrewsbury | 191 | 63 | 15th | 45 | 16th | 60·1 | 48·3 | 53·9 | – 2·3 | 83 | 0 | 6 | 0·21 | — | • | • | • | 0 | 43 | • | • | • | • | Cheadle. |
| *b*, West .. *a* Hereford§ | 291 | 69 | 14th | 43 | 19th | 62·6 | 47·4 | 54·6 | – 1·5 | 88 | 0 | 5 | 0·44 | – 0·02 | *5·7* | — | *45* | 0 | 42 | • | • | • | • | Shrewsbury. |
| *a* Cirencester | 446 | 65 | 14th | 45 | 16th | 61·5 | 48·6 | 54·7 | – 0·3 | 89 | 0 | 5 | 0·99 | + 0·43 | 5·2 | + 0·4 | 41 | 0 | 34 | 57·7 | • | 60·7 | • | *Malvern.*§ |
| *a* Bath | 66 | 69 | 14th | 44 | 15th | 61·4 | 48·0 | 55·8 | – 1·3 | 97 | 0 | 5 | 0·37 | – 0·19 | 5·2 | — | 41 | 0 | 39 | 57·1 | • | 58·3 | • | Cirencester. |
| | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Kew | 18 | 70 | 14th | 47 | 19th | 64·0 | 51·4 | 57·4 | + 0·6 | 102 | 0 | 3 | 0·20 | – 0·29 | 5·9 | + 1·0 | 47 | 0 | 42 | 60·3 | +2·0 | 61·4 | +2·1 | Canterbury. |
| *a* Marlborough | 424 | 67 | 14th | 41 | 19th | 62·9 | 47·1 | 54·6 | – 0·2 | 88 | 0 | 4 | 0·49 | – 0·05 | 6·1 | + 1·6 | 48 | 0 | 40 | 57·5 | – 0·3 | 59·0 | +1·3 | Kew. |
| *a* Margate | 35 | 70 | 14th | 49 | 15th | 65·0 | 52·0 | 58·2 | – 0·5 | 113 | 0 | 2 | 0·19 | – 0·27 | 5·4 | + 0·3 | 43 | 0 | 47 | 60·1 | +1·9 | 63·0 | +4·7 | Marlborough. |
| *a* Wisley, Surrey | 150 | 69 | 14, 17 | 45 | 19th | 64·7 | 49·4 | 56·7 | – 0·9 | 103 | 0 | 2 | 0·10 | — | 5·7 | — | 45 | 0 | 36 | 58·2 | +0·1 | 59·5 | +0·6 | Margate. |
| | | | | | | | | | | | | | | | 5·8 | — | 46 | 0 | 41 | 59·9 | +0·5 | 61·6 | +1·8 | Wisley. |
| *p* Salisbury (Wilton) | 180 | 70 | 14th | 43 | 16th | 61·1 | 48·1 | 55·7 | – 1·1 | 96 | 0 | 6 | 0·54 | + 0·01 | • | • | • | 0 | 40 | 60·1 | • | • | • | Worthing. |
| *a* Tunbridge Wells | 418 | 68 | 14th | 44 | 16th | 64·1 | 48·9 | 56·1 | – 0·5 | 99 | 0 | 3 | 0·31 | – 0·23 | 5·3 | – 0·1 | 42 | 0 | 36 | 58·2 | – 0·4 | 59·9 | • | Salisbury. |
| *a* Dungeness | 21 | 65 | 13, 16–18 | 47 | 19th | 64·0 | 51·1 | 57·2 | – 1·5 | 106 | 0 | 4 | 0·43 | – 0·06 | 5·1 | — | 40 | • | • | • | • | • | • | Tunbridge Wells |
| *p* Hastings | 178 | 65 | 16, 17 | 46 | 19th | 63·4 | 50·3 | 56·5 | – 2·0 | 102 | 0 | 5 | 0·47 | – 0·14 | *5·3* | – *0·4* | *42* | 0 | 43 | 59·9 | • | 62·2 | • | Littlestone. |
| *p* Southampton | 65 | 69 | 14th | 47 | 19th | 65·1 | 50·6 | 57·5 | – 1·2 | 109 | 0 | 4 | 0·63 | + 0·09 | 5·1 | – 0·4 | 40 | 0 | 42 | • | • | • | • | *Hastings.* |
| *a* Ventnor | 80 | 67 | 17th | 47 | 19th | 64·6 | 53·4 | 58·7 | – 1·0 | 117 | 0 | 4 | 0·56 | – 0·04 | 4·6 | – 1·3 | 36 | • | • | • | • | • | • | Southampton. |
| | | | | | | | | | | | | | | | *5·5* | — | *43* | 0 | 45 | 59·7 | +0·1 | 62·2 | +1·8 | Ventnor. |
| | | | | | | | | | | | | | | | 4·8 | – 0·9 | 38 | • | • | 61·0 | • | 62·3 | • | *Portsmouth.* |
| LONDON. | | | | | | | | | | | | | | | *4·3* | — | *34* | • | • | 59·5 | • | 61·1 | • | Eastbourne. |
| *a Westminster* | *27* | *72* | *17th* | *47* | *19th* | *65·9* | *51·0* | *58·1* | + *0·5* | *113* | *0* | *4* | *0·19* | – *0·26* | *5·5* | – *0·2* | *43* | 0 | 41 | • | • | 62·7 | • | *Bournemouth.* |
| *a Greenwich* | *155* | *73* | *14th* | *48* | *19th* | *67·0* | *50·7* | *58·5* | + *0·3* | *116* | *0* | *4* | *0·16* | – *0·29* | 5·9 | + 1·7 | 47 | 0 | 42 | • | • | • | • | *Brighton.* |
| *a Hampstead* | *450* | *69* | *14th* | *44* | *19th* | *63·0* | *50·0* | *56·2* | — | *99* | *0* | *4* | *0·26* | — | *6·1* | + *0·7* | *48* | 0 | 41 | • | • | • | • | *Westminster.* |
| *a Camden Square* | *110* | *73* | *14th* | *46* | *19th* | *67·0* | *49·7* | *57·9* | — | *111* | *0* | *4* | *0·21* | — | *6·2* | — | *49* | 0 | 38 | • | • | • | • | *Greenwich.* |
| | | | | | | | | | | | | | | | *5·7* | — | *45* | 0 | 43 | • | • | • | • | *Hampstead.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | *4·0* | — | *31* | 0 | 31 | 54·6 | +1·0 | 56·1 | +1·7 | *Camden Square.* |
| *p* Aspatria | 250 | 62 | 14th | 39 | 19th | 58·6 | 46·3 | 52·2 | – 1·7 | 71 | 0 | 5 | 0·81 | – 0·07 | 3·5 | — | 27 | • | • | • | • | • | • | *Burnley.* |
| *p* Newton Rigg | 559 | 63 | 14th | 38 | 19th | 57·6 | 45·0 | 51·0 | – 1·4 | 63 | 0 | 7 | 2·30 | + 1·62 | 4·2 | — | 33 | 0 | 33 | 55·3 | • | 56·2 | • | Hoylake. |
| *p* Stonyhurst | 375 | 63 | 14th | 42 | 19th | 57·9 | 48·0 | 52·7 | – 1·8 | 75 | 0 | 7 | 2·22 | + 1·22 | 4·7 | + 0·5 | 36 | 1 | 27 | 55·1 | – 0·5 | 56·1 | +1·3 | Aspatria. |
| *p* Blackpool | 66 | 64 | 14th | 47 | 19th | 59·6 | 49·9 | 54·6 | – 1·3 | 88 | 0 | 7 | 1·90 | + 1·16 | 4·6 | + 0·3 | 36 | 1 | 29 | • | • | • | • | Newton Rigg. |
| *a Southport* | *37* | *65* | *14th* | *48* | *13, 19* | *60·0* | *50·7* | *55·1* | – *0·5* | *92* | *0* | *6* | *2·16* | + *1·46* | 3·8 | – 0·6 | 30 | 0 | 38 | 56·7 | • | 57·0 | • | Stonyhurst. |
| *a* Liverpool (Bidston) | 188 | 66 | 14th | 47 | 16th | 59·7 | 49·9 | 54·6 | – 1·0 | 83 | 0 | 7 | 1·26 | + 0·64 | *4·5* | *0·0* | *35* | 0 | 38 | 57·0 | – 0·4 | 59·8 | +1·2 | Blackpool. |
| *a Hawarden Bridge* | *22* | *66* | *14th* | *48* | *18th* | *60·9* | *50·7* | *55·6* | – *1·2* | *95* | *0* | *5* | *0·87* | + *0·41* | *4·0* | — | *31* | 0 | 38 | • | • | • | • | *Southport.* |
| *p* Manchester (Whit. Pk.) | 125 | 61 | 16th | 43 | 13, 16 | 58·3 | 47·6 | 52·7 | – 3·2 | 75 | 0 | 7 | 1·42 | + 0·80 | *3·6* | — | *28* | 0 | 34 | 57·4 | +1·2 | 61·2 | +3·4 | *Liverpool.* |
| | | | | | | | | | | | | | | | *3·7* | – *0·4* | *24* | • | • | • | • | • | • | *Manchester (City).* |
| *b* NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | " *(Whit. Park).* |
| *p* Llandudno | 71 | 65 | 14th | 49 | 19th | 60·9 | 51·1 | 55·8 | – 1·0 | 97 | 0 | 6 | 1·83 | + 1·28 | 4·2 | – 0·2 | 33 | • | • | • | • | • | • | Llandudno. |
| *a* Holyhead | 17 | 65 | 14th | 50 | 16th | 59·9 | 51·9 | 55·7 | – 0·8 | 96 | 0 | 6 | 1·89 | + 1·24 | *4·5* | — | *35* | • | • | • | • | • | • | *Holyhead.* |
| *Bettws-y-Coed* | *101* | | | | | | | | | | | | | | • | | | • | • | • | • | • | • | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 3·4 | — | 26 | • | • | • | • | • | • | Aberdovey. |

* For note see also opposite page.

† At 3 ft

§ The temperature on the grass refers to Hereford

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 3·3 | — | 26 | | | | | | | | |
| *a* Llangammarch Wells | 550 | 61 | 14th | 42 | 19th | 58·6 | 47·9 | 53·0 | − 1·1 | 77 | 0 | 6 | 1·46 | — | 3·9 | — | 31 | 0 | 37 | 55·7 | +0·2 | 56·6 | +1·4 | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 62 | 14th | 49 | 19th | 59·4 | 53·0 | 56·1 | − 0·7 | 99 | 0 | 4 | 0·67 | − 0·01 | 3·8 | − 1·3 | 30 | * | * | * | * | * | * | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 65 | 14th | 46 | 15, 19 | 61·3 | 49·9 | 55·3 | − 1·3 | 93 | 0 | 6 | 1·57 | + 0·73 | *5·2* | — | *41* | 0 | 42 | 59·0 | +2·0 | 60·3 | +2·2 | Pembroke. *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 66 | 14th | 46 | 19th | 62·4 | 51·1 | 56·5 | − 1·1 | 102 | 0 | 7 | 0·94 | + 0·31 | *5·5* | — | *43* | 0 | 43 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 64 | 14, 17 | 30 | 19th | 60·7 | 45·7 | 52·8 | − 3·2 | 76 | 0 | 4 | 0·31 | − 0·33 | * | * | * | * | * | 57·8 | * | 60·6 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 62 | 14th | 46 | 15th | 59·9 | 49·7 | 54·6 | − 0·8 | 88 | 0 | 5 | 1·76 | + 0·69 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *64* | *14th* | *50* | *19th* | *61·0* | *53·3* | *57·0* | *− 1·0* | *105* | *0* | *5* | *0·76* | *+ 0·10* | 4·5 | − 0·9 | 35 | 0 | 47 | 59·9 | * | 60·0 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 67 | 14th | 44 | 15, 16 | 63·9 | 49·4 | 56·3 | − 0·1 | 90 | 0 | 7 | 0·81 | + 0·21 | 3·3 | − 1·7 | 26 | 0 | 40 | 59·3 | * | * | * | Cullompton. |
| *a* Portland Bill .. .. | 19 | 65 | 17th | 50 | 19th | 62·4 | 55·3 | 58·7 | 0·0 | 117 | 0 | 7 | 0·46 | — | *4·7* | — | *37* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 66 | 14th | 48 | 19th | 62·6 | 52·3 | 57·2 | − 0·6 | 106 | 0 | 5 | 0·97 | + 0·34 | 4·9 | − 0·5 | 39 | 0 | ?44 | 60·0 | +1·0 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 65 | 14th | 48 | 19th | 62·9 | 51·1 | 56·7 | − 1·0 | 103 | 0 | 5 | 1·23 | + 0·45 | 5·3 | − 0·3 | 42 | 0 | 44 | 61·9 | * | 62·2 | * | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. { *a* Malin Head .. .. | 208 | 56 | 13–16 | 46 | 15th | 55·3 | 48·0 | 51·5 | − 3·3 | 67 | 0 | 7 | 1·38 | + 0·66 | *4·2* | — | *33* | * | * | * | * | * | * | *Malin Head.* |
| { *a* Blacksod Point .. | 37 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | |
| { *p* Markree Castle .. | 122 | 61 | 14th | 42 | 16, 19 | 58·6 | 44·7 | 51·3 | − 2·6 | 65 | 0 | 7 | 1·30 | + 0·44 | 4·0 | + 0·3 | 32 | 0 | 36 | 57·1 | * | 57·6 | * | Markree Castle. |
| { *a* Birr Castle .. .. | 175 | 60 | 13, 16 | 41 | 19th | 58·0 | 46·0 | 51·7 | − 2·9 | 68 | 0 | 5 | 0·87 | + 0·27 | *3·7* | *− 0·6* | *29* | * | * | * | * | * | * | *Birr Castle.* |
| *b*, East .. { *p* Armagh .. .. | 196 | 60 | 19th | 43 | 13, 19 | 58·6 | 45·0 | 51·5 | − 2·6 | 67 | 0 | 6 | 0·58 | − 0·07 | 4·2 | + 0·3 | 33 | 0 | 38 | 55·9 | − 0·8 | 57·6 | +1·1 | Armagh. |
| { *a* Donaghadee .. .. | 48 | 61 | 14th | 44 | 15th | 58·6 | 46·6 | 52·3 | − 2·8 | 72 | 0 | 6 | 0·36 | − 0·29 | * | * | * | * | * | * | * | * | * | |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 4·7 | — | 37 | 0 | 40 | 57·0 | − 0·1 | 58·3 | +1·3 | *Trinity Coll.* |
| { *p* Dublin, City .. .. | 47 | 62 | 14th | 45 | 19th | 59·1 | 47·4 | 53·0 | − 3·2 | 77 | 0 | 4 | 0·81 | + 0·29 | 4·7 | − 0·1 | 37 | 0 | 36 | * | * | * | * | Phœnix Park. |
| *a*, East .. { *a* Kilkenny .. .. | 212 | 62 | 14th | 40 | 15th | 59·7 | 46·0 | 52·5 | − 2·7 | 74 | 0 | 5 | 1·58 | + 0·98 | * | * | * | 0 | 44 | * | * | * | * | Dublin City. |
| { *a* Waterford .. .. | 20 | 64 | 14th | 43 | 16th | 59·6 | 48·4 | 53·7 | − 2·1 | 82 | 0 | 4 | 0·89 | + 0·19 | * | * | * | * | * | * | * | * | * | |
| { *a Seskin, Carrick-on-Suir* | *541* | *61* | *14th* | *42* | *19th* | *58·4* | *45·7* | *51·8* | — | *69* | *0* | *4* | *0·56* | — | *5·3* | — | *42* | 0 | 37 | * | * | * | * | *Seskin.* |
| { *a* Birr Castle .. .. | 175 | 60 | 13, 16 | 41 | 19th | 58·0 | 46·0 | 51·7 | − 2·9 | 68 | 0 | 5 | 0·87 | + 0·27 | 3·7 | − 0·6 | 29 | * | * | * | * | * | * | Birr Castle. |
| { *a* Foynes .. .. | 50 | 62 | 16th | 45 | 19th | 59·0 | 49·4 | 54·0 | − 1·8 | 84 | 0 | 6 | 1·65 | + 0·95 | * | * | * | * | * | * | * | * | * | |
| *b*, West .. { *a* Cahir .. .. | 199 | 63 | 14th | 41 | 15th | 60·1 | 47·4 | 53·5 | − 1·8 | 81 | 0 | 5 | 2·18 | — | * | * | * | * | * | * | * | * | * | |
| { *a* Killarney .. .. | 174 | 64 | 16, 19 | 43 | 19th | 61·5 | 49·3 | 55·1 | − 0·5 | 92 | 0 | 7 | 2·46 | + 1·54 | * | * | * | * | * | * | * | * | * | |
| { *a* Valencia .. .. | 30 | 62 | 16th | 44 | 19th | 58·4 | 51·1 | 54·6 | − 2·1 | 88 | 0 | 6 | 1·97 | + 0·97 | 4·3 | − 0·1 | 34 | * | * | * | * | * | * | Valencia. |
| { *a* Roche's Point .. .. | 32 | 62 | 13th | 47 | 19th | 60·4 | 50·7 | 55·3 | − 1·4 | 93 | 0 | 7 | 0·94 | + 0·23 | 5·5 | — | 43 | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 64 | 14th | 49 | 19th | 62·3 | 53·6 | 57·7 | − 1·1 | 110 | 0 | 6 | 0·96 | + 0·36 | 4·9 | − 0·9 | 39 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 67 | 16th | 50 | 19th | 63·9 | 55·9 | 59·7 | − 1·0 | 124 | 0 | 5 | 1·39 | + 0·77 | 3·1 | − 3·2 | 24 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 65 | 15th | 48 | 19th | 63·3 | 53·7 | 58·3 | − 1·7 | 114 | 0 | 7 | 2·00 | + 1·30 | 3·8 | − 2·3 | 30 | 0 | 46 | 61·5 | +2·1 | 63·3 | +1·9 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 5·5 hrs. 43 °/₀; Ramsgate, hrs. °/₀; Rhyl, 4·3 hrs. 33 °/₀; Salcombe, 5·4 hrs. 43 °/₀; Tenby, 4·6 hrs. (−0·6) 36 °/₀; Torquay, 4·8 hrs. (−0·7) 38 °/₀.*
* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Sept. 19th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | 49 | 48 | 48·5 | −4·1 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 59 | 56 | 57·4 | +2·5 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 52 | 48 | 50·3 | −2·6 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 59 | 56 | 57·9 | −3·0 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. . | 64 | 59 | 62·1 | +0·9 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 59 | 57 | 57·6 | +1·5 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 60 | 56 | 58·2 | — |
| Plymouth‡ .. .. | 62 | 59 | 60·5 | +1·2 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | — | — | — | — |
| Seafield .. .. | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, September 19th.

| DISTRICT AND STATION | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | — | — | 31 | 137 | WNW. 10 | 14th 24h. | 23 14th 23.25 |
| Aberdeen .. .. | 105 | 14th | 1 | 14, 15, 18 | 6 | 68 | 93 | W. by N. 18 | 14th 24h. | 28 14th 24.15 |
| Rosyth .. .. | 73 | — | — | — | — | — | — | — — | — — | — — — |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | 14th | 1 | 14, 15, 18 | 20 | 86 | 61 | W. 17 | 14th 20h. | 29 14th 19.55 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 58 | 110 | NW. 10 | 14th 20h. | 25 14th 19.40 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 39 | 129 | W. by S. 11 | 14th 21h. | 23 14th 21.15 |
| South Shields .. | 61 | 14th | 2 | 14, 15 | 12 | 79 | 75 | W. 18 | 14th 21h. | 30 14th 21.25 |
| Spurn Head .. | 40 | 14th | 1 | 13 to 15, 17 to 19 | 63 | 83 | 21 | W. by S. 17 | 14th 22h. | 27 17th 16.50 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 13, 14, 17 to 19 | 15 | 95 | 53 | — 16 | 17th 12h. | 23 17th 11.55 |
| Shoeburyness .. | 90 | — | — | 13, 14, 17, 18 | 14 | 102 | 52 | S.S.W. 15 | 17th 12h. | 22 17th 14.40 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 13, 14, 17, 19 | 31 | 81 | 56 | — 16 | 17th 13h. | 23 17th 12.35 |
| Warlingham .. | 33 | — | — | 17th | 1 | 51 | 116 | — 11 | 17th 11h. | 22 17th 14. 0 |
| Brighton .. .. | 53 | — | — | 14, 17 | 15 | 104 | 49 | — 13 | 17th 11h. | 23 17th 11.35 |
| Kew .. .. .. | 40 | — | — | — | — | 58 | 110 | WSW. 10 | 14th 14h. | 18 14th 14.45 |
| South Kensington | 92 | — | — | — | — | 37 | 131 | SW. 8 | 14th 14h. | 17 17th 13.10 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | 14th | 7 | 46 | 115 | W. by S. 15 | 14th 19h | 25 14th 19.25 |
| Southport .. .. | 62 | 13 to 15, 17, 18 | 34 | 13 to 19 | 66 | 61 | 7 | W. by S. 29 | 14th 19h. | 40 14th 18.40 |
| Holyhead .. .. | 40 | 13 to 15 | 8 | 13 to 19 | 82 | 72 | 6 | W. 22 | 14th 18h. | 30 14th 18.15 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | 17th | 1 | 13, 14, 16, 17 | 59 | 79 | 29 | SSW. 18 | 17th 5h. | 24 17th 15.20 |
| Plymouth .. .. | 86 | — | — | 17th | 5 | 63 | 100 | — 17 | 17th 6h. | 22 17th 6.10 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | 14th | 6§ | 13 to 18 | 53§ | 96§ | 8§ | — 22 | 14th 13h. | 31 14th 12.35 |
| Weaver Pt. .. | 30 | — | — | 14, 16 | 4§ | 65§ | 91§ | — 13 | 16th 14h. | 20 14th 9.15 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | — | — | — | — | — — | — — | — — — |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907–1911, but in some cases for 1908–1911, or 1909–1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**THIRTY-SEVENTH WEEK**—September 13th to September 19th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of: Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| **0.** SCOTLAND, NORTH ... | 59 | 40 | 54·8 | 44·2 | 49·3 | − 3·3 | 51 | − 23 | 0 | 0 | 7 | + 3 | 1·65 | +0·74 | 2·5 | −1·1 | 20 | 999 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 64 | 32 | 58·4 | 42·4 | 50·0 | − 3·2 | 56 | − 24 | 0 | 1 | 6 | + 3 | 0·84 | +0·40 | 4·3 | +0·1 | 33 | 1000 |
| **2.** ENGLAND, N.E. ... ... | 70 | 41 | 61·0 | 46·9 | 53·6 | − 1·4 | 81 | − 11 | 0 | 0 | 4 | + 1 | 0·81 | +0·35 | 5·5 | +0·8 | 43 | 1004 |
| **3.** ENGLAND, EAST ... | 72 | 42 | 63·3 | 48·8 | 55·7 | − 1·1 | 96 | − 8 | 0 | 0 | 4 | + 2 | 0·34 | −0·05 | 5·6 | +0·4 | 44 | 1007 |
| **4** MIDLAND COUNTIES ... | 72 | 41 | 61·7 | 47·7 | 54·4 | − 1·3 | 87 | − 9 | 0 | 0 | 5 | + 3 | 0·51 | +0·11 | 5·6 | +0·9 | 44 | 1009 |
| **5.** ENGLAND, S.E. ... ... | 70 | 41 | 64·2 | 50·2 | 56·9 | − 1·1 | 104 | − 8 | 0 | 0 | 4 | + 2 | 0·39 | −0·05 | 5·4 | 0·0 | 42 | 1010 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 62 | 38 | 57·4 | 46·5 | 51·7 | − 2·1 | 68 | − 17 | 0 | 0 | 6 | + 2 | 1·13 | +0·35 | 4·2 | −0·4 | 32 | 1003 |
| **7.** ENGLAND, N.W. ... ... | 66 | 38 | 59·1 | 48·7 | 53·7 | − 2·0 | 82 | − 14 | 0 | 0 | 7 | + 4 | 1·70 | +1·13 | 4·1 | −0·6 | 32 | 1006 |
| **8.** ENGLAND, S.W. ... ... | 67 | 40 | 61·4 | 50·5 | 55·7 | − 1·2 | 96 | − 8 | 0 | 0 | 6 | + 4 | 1·02 | +0·45 | 4·1 | −1·0 | 33 | 1011 |
| **9.** IRELAND, NORTH ... | 61 | 41 | 57·8 | 46·1 | 51·7 | − 3·0 | 68 | − 21 | 0 | 0 | 6 | + 3 | 0·90 | +0·29 | 4·1 | +0·1 | 32 | 1003 |
| **10.** IRELAND, SOUTH ... | 64 | 40 | 59·5 | 48·4 | 53·7 | − 2·2 | 82 | − 15 | 0 | 0 | 5 | + 2 | 1·48 | +0·88 | 4·6 | −0·2 | 36 | 1011 |
| **11.** ENGLISH CHANNEL ... | 67 | 48 | 63·2 | 54·4 | 58·6 | − 1·0 | 116 | − 7 | 0 | 0 | 6 | + 3 | 1·45 | +0·97 | 3·9 | −2·6 | 31 | 1014 |

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 3 Weeks, August 30th to September 19th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 75 | 39 | * | * | * | * | 242 | + 7 | 0 | 0 | 13 | − 1 | 2·55 | −0·46 | 4·1 | +0·5 | 30 | 1012 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 76 | 31 | * | * | * | * | 253 | − 3 | 0 | − 1 | 9 | − 3 | 1·03 | −0·64 | 4·4 | 0·0 | 32 | 1012 |
| **2.** ENGLAND, N.E. ... ... | 82 | 39 | * | * | * | * | 335 | + 42 | 0 | 0 | 9 | − 1 | 1·26 | −0·44 | 5·4 | +0·6 | 40 | 1015 |
| **3.** ENGLAND, EAST ... | 82 | 42 | * | * | * | * | 378 | + 49 | 0 | 0 | 9 | 0 | 0·92 | −0·49 | 6·3 | +0·9 | 48 | 1015 |
| **4.** MIDLAND COUNTIES ... | 82 | 41 | * | * | * | * | 358 | + 53 | 0 | 0 | 10 | + 1 | 1·09 | −0·46 | 5·3 | +0·6 | 40 | 1015 |
| **5.** ENGLAND, S.E. ... ... | 82 | 40 | * | * | * | * | 396 | + 43 | 0 | 0 | 8 | − 1 | 1·04 | −0·63 | 6·9 | +1·3 | 53 | 1016 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 77 | 36 | * | * | * | * | 298 | + 29 | 0 | 0 | 10 | − 2 | 1·93 | −0·93 | 4·8 | +0·2 | 36 | 1014 |
| **7.** ENGLAND, N.W. ... ... | 77 | 38 | * | * | * | * | 343 | + 42 | 0 | 0 | 13 | + 2 | 3·03 | +0·87 | 5·0 | +0·4 | 38 | 1014 |
| **8.** ENGLAND, S.W. ... ... | 80 | 40 | * | * | * | * | 378 | + 53 | 0 | 0 | 12 | + 2 | 2·41 | +0·24 | 5·3 | 0·0 | 40 | 1016 |
| **9.** IRELAND, NORTH ... | 75 | 41 | * | * | * | * | 301 | + 23 | 0 | 0 | 12 | − 1 | 1·66 | −0·68 | 3·6 | −0·4 | 27 | 1013 |
| **10.** IRELAND, SOUTH ... | 78 | 40 | * | * | * | * | 352 | + 48 | 0 | 0 | 12 | + 1 | 2·78 | +0·58 | 3·6 | −1·0 | 27 | 1015 |
| **11.** ENGLISH CHANNEL ... | 82 | 48 | * | * | * | * | 420 | + 39 | 0 | 0 | 14 | + 3 | 3·42 | +1·72 | 5·1 | −1·4 | 39 | 1016 |

THE YEAR.—Aggregates, &c., for the Period of 37 Weeks, January 4th, 1914, to September 19th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 1888 | +181 | 391 | −166 | 167 | − 2 | 31·90 | −1·41 | 3·7 | +0·1 | 27 | 1009 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 2147 | +211 | 492 | −129 | 133 | − 7 | 19·69 | −0·84 | 4·5 | +0·2 | 33 | 1010 |
| **2.** ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 2556 | +416 | 299 | −176 | 121 | − 5 | 15·80 | −0·72 | 4·9 | +0·3 | 37 | 1013 |
| **3.** ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 2839 | +365 | 299 | −222 | 116 | − 5 | 14·59 | −1·19 | 5·4 | +0·4 | 41 | 1014 |
| **4.** MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 2744 | +310 | 367 | −166 | 123 | + 3 | 17·03 | −0·64 | 4·7 | +0·2 | 36 | 1014 |
| **5.** ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 2915 | +266 | 240 | −141 | 115 | 0 | 18·36 | +1·24 | 5·8 | +0·7 | 44 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 2281 | +203 | 317 | −108 | 150 | + 3 | 28·86 | −1·71 | 4·4 | 0·0 | 33 | 1011 |
| **7.** ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 2559 | +296 | 227 | −159 | 137 | + 3 | 23·18 | +0·70 | 4·8 | +0·3 | 36 | 1013 |
| **8.** ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 2753 | +249 | 192 | −109 | 144 | +13 | 29·31 | +5·38 | 5·1 | +0·1 | 39 | 1015 |
| **9.** IRELAND, NORTH ... | 80 | 25 | * | * | * | * | 2342 | +173 | 246 | − 99 | 164 | + 4 | 25·69 | +0·44 | 4·0 | −0·1 | 30 | 1011 |
| **10.** IRELAND, SOUTH ... | 81 | 24 | * | * | * | * | 2707 | +223 | 174 | − 85 | 163 | +21 | 28·91 | +2·42 | 4·5 | 0·0 | 34 | 1013 |
| **11.** ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 3066 | +230 | 72 | − 37 | 139 | 0 | 23·86 | +4·14 | 5·6 | −0·4 | 43 | 1015 |

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

M.O., September 23, 1914.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 149

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. *Vol. XXXI. (New Series.)* No. 38. THIRTY-EIGHTH WEEK, SUNDAY, SEPTEMBER 20TH, TO SATURDAY, SEPTEMBER 26TH, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

At the beginning of the week a moderate to strong Northerly breeze prevailed over these Islands in the rear of a depression beyond the North Sea. By Tuesday, however, an anticyclone which had arrived from the Atlantic enveloped the Kingdom, and the wind had become light and rather variable. This system travelled slowly eastward, while a milder current of wind from the South-Westward set in over our western districts, and extended gradually to the whole country. By the end of the period a very large cyclonic system lay far to the northward of Scotland, and the wind in these Islands had veered to the Westward, and was increasing decidedly in force. Local thunderstorms, with hail, were experienced in the east and south-east of England on the 20th, but the general character of the weather for the week was very dry and mostly bright. Over a large portion of the Kingdom rain was entirely absent. Remarkable sunsets, indicating an excess of dust in the air, were observed in the southern counties.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Deficient | Deficient | Deficient | Very deficient | Deficient | Deficient | Deficient | Moderate | Moderate | Deficient |
| | Rainfall ... | Light | Light | Light | Light | Light | Light | Light | Light | Nought | Light | Light | Light |
| | Sunshine ... | Scanty | Moderate | Abundant | Abundant | Very abundant | Very abundant | Moderate | Very abundant | Very abundant | Abundant | Abundant | Very abundant |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 4 weeks from Aug. 30th, 1914. | Warmth ... | 2*1 | 2*1 | 2*1 | 2*1 | 2*1 | 2*1 | 2*2 | 2*2 | 2*1 | 2*1 | 2*1 | 2*1 |
| | Rainfall ... | 1*2 | 1*3 | 1*2 | 0*2 | 0*2 | 0*2 | 1*2 | 2*2 | 2*2 | 0*2 | 2*2 | 2*1 |
| | Sunshine ... | 2*2 | 1*1 | 1*0 | 2*0 | 2*0 | 3*0 | 1*0 | 2*0 | 2*2 | 1*1 | 1*1 | 1*2 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6*0 | 8*0 | 8*0 | 10*0 | 11*0 | 11*0 | 6*0 | 9*0 | 9*0 | 8*0 | 9*2 | 11*0 |
| | Rainfall ... | 4*4 | 2*4 | 4*6 | 5*6 | 5*4 | 5*5 | 2*4 | 4*6 | 3*5 | 3*2 | 7*1 | 4*3 |
| | Sunshine ... | 5*4 | 5*6 | 6*3 | 4*1 | 4*3 | 5*2 | 1*4 | 6*3 | 4*6 | 2*5 | 2*6 | 2*4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6*3 | 7*2 | 7*2 | 9*3 | 7*4 | 7*4 | 4*2 | 8*3 | 7*4 | 7*2 | 7*4 | 6*4 |
| | Rainfall ... | 5*2 | 5*4 | 1*7 | 3*9 | 2*8 | 3*5 | 5*4 | 5*6 | 3*5 | 5*5 | 4*6 | 5*7 |
| | Sunshine ... | 3*1 | 2*2 | 1*2 | 3*4 | 2*6 | 4*4 | 2*6 | 2*0 | 3*5 | 1*9 | 1*7 | 2*5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3*1 | 6*0 | 8*1 | 8*2 | 6*1 | 7*1 | 5*3 | 5*1 | 8*1 | 6*3 | 6*2 | 9*1 |
| | Rainfall ... | 5*2 | 5*5 | 4*6 | 4*5 | 4*5 | 5*4 | 6*4 | 4*5 | 7*6 | 5*5 | 4*6 | 6*5 |
| | Sunshine ... | 4*4 | 4*2 | 3*2 | 6*5 | 4*5 | 4*1 | 4*2 | 4*2 | 4*2 | 4*4 | 4*4 | 4*4 |
| SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. | Warmth ... | 5*0 | 6*3 | 6*1 | 6*1 | 5*2 | 5*2 | 7*2 | 5*1 | 5*2 | 6*1 | 4*2 | 5*3 |
| | Rainfall ... | 2*4 | 2*4 | 3*5 | 3*5 | 3*4 | 2*4 | 2*7 | 4*3 | 5*3 | 2*7 | 4*2 | 7*3 |
| | Sunshine ... | 6*2 | 4*3 | 4*5 | 5*3 | 6*5 | 5*2 | 3*4 | 6*4 | 3*5 | 5*3 | 4*4 | 1*6 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**
**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**
**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(2715—19.) Wt. 229—611. 450. 9/14. D & S. G. 17/ 36.

## II.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.]

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Mean for the Week. Of Lowest each day. | Mean for the Week. For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Accumulated Heat for the Week (in Day degrees). Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | | | | | | |
| **0. SCOTLAND, N.** | *31* | | | | | | | | | | | | | | | | | | | | | | *Baltasound.* |
| *a*, Islands.. *p* Baltasound | 54 | 57 | 23, 24 | 43 | 21st | 52·4 | 47·3 | 49·7 | − 0·3 | 54 | 0 | 4 | 0·40 | — | 2·2 | − 1·4 | 18 | | | | | | Deerness. |
| *a* Lerwick | 51 | 58 | 23rd | 40 | 20th | 55·1 | 47·4 | 51·1 | 0·0 | 64 | 0 | 6 | 0·73 | − 0·31 | 1·4 | − 2·3 | 11 | | | | | | Stornoway. |
| *a* Stornoway | *37* | *58* | *23, 24* | *44* | *20th* | *56·1* | *50·0* | *52·9* | + *0·4* | *76* | *0* | *5* | *1·35* | — | *1·8* | — | *15* | | | | | | *Castlebay.* |
| *a* Castlebay, Barra Isd. | | | | | | | | | | | | | | | | | | | | | | | |
| **b, Mainland.** *a* Wick | 81 | 61 | 23rd | 41 | 22nd | 56·0 | 46·9 | 50·8 | − 0·5 | 62 | 0 | 4 | 0·16 | − 0·45 | | | | | | | | | |
| *p* Strathpeffer | 200 | 67 | 25th | 36 | 22nd | 60·1 | 45·1 | 52·2 | + 0·8 | 71 | 0 | 1 | 0·03 | − 0·54 | 1·7 | − 2·1 | 14 | | | | | | Strathpeffer. |
| *p* Glencarron | 500 | | | | | | | | | | | | | | | | | | | | | | |
| *p* Fort Augustus | 68 | 63 | 24th | 34 | 21st | 58·4 | 46·0 | 51·9 | − 0·1 | 69 | 0 | 3 | 0·13 | − 0·79 | 2·5 | − 0·2 | 20 | | | | | | Fort Augustus. |
| *p* Fort William | 175 | 62 | 24th | 32 | 21st | 57·7 | 44 3 | 50·7 | − 1·9 | 61 | 0 | 3 | 0·49 | − 1·20 | | | | | | | | | |
| **1. SCOTLAND, E.** | | | | | | | | | | | | | | | 2·7 | — | 22 | 1 | 26 | 52·6 | −1·3 | 54·4 | −0·3 | Crathes S. |
| *p* Gordon Castle | 101 | 71 | 23rd | 37 | 22nd | 61·7 | 43·4 | 52·1 | − 0·5 | 71 | 0 | 2 | 0·12 | − 0·48 | *2·9* | — | *34* | | | | | | *Gordon Castle.* |
| *a* Nairn | 82 | 65 | 23rd | 34 | 22nd | 59·0 | 43·7 | 51·0 | − 0·9 | 63 | 0 | 3 | 0·12 | − 0·38 | 2·1 | — | 17 | | | | | | Nairn. |
| *a* Aberdeen | 46 | 64 | 24th | 41 | 22nd | 58·0 | 45·7 | 52·0 | − 0·4 | 70 | 0 | 2 | 0·20 | − 0·38 | 3·1 | − 0·9 | 25 | | | 53·1 | +0·8 | | Aberdeen. |
| *a* Balmoral | 930 | 61 | 25th | 25 | 22nd | 57·4 | 40·7 | 48·7 | − 0·1 | 52 | 4 | 1 | 0·07 | − 0·59 | | | | 2 | 21 | | | | Balmoral. |
| *p* Crieff | 432 | 61 | 24, 25 | 34 | 21, 22 | 58·0 | 42·7 | 50·0 | − 2·9 | 56 | 0 | 2 | 0·07 | − 0·67 | 1·3 | — | 11 | | | | | | Balruddery. |
| *a* Leith | 18 | 67 | 24th | 34 | 22, 23 | 60·7 | 42·3 | 51·1 | − 2·9 | 64 | 0 | 0 | 0·00 | − 0·40 | | | | | | | | | |
| *a* West Linton | 800 | 61 | 24, 25 | 22 | 22nd | 58·9 | 37·3 | 48·6 | − 4·2 | 52 | 13 | 0 | 0·00 | — | *4·3* | — | *35* | 4 | 17 | | | | *West Linton.* |
| *p* Marchmont | 498 | 64 | 25th | 30 | 22nd | 58·4 | 41·9 | 49·8 | − 1·8 | 55 | 0 | 0 | 0·00 | − 0·63 | 6·0 | + 2·2 | 49 | 2 | 24 | | | | Marchmont. |
| *a* Edinburgh | *441* | *65* | *24, 25* | *37* | *22nd* | *59·1* | *46·1* | *52·3* | — | *72* | *0* | *0* | *0·00* | — | 4·6 | — | 37 | 1 | 27 | | | | Edinburgh. |
| **6. *a*, SCOTLAND, W.** | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 60 | 24th | 32 | 21st | 56·6 | 43·6 | 49·8 | − 3·5 | 55 | 0 | 3 | 1·00 | − 0·14 | | | | | | | | | |
| *p* Glasgow Observatory | 180 | 62 | 24, 25 | 36 | 21, 22 | 57·7 | 44·9 | 51·0 | − 1·4 | 63 | 0 | 1 | 0·06 | − 0·71 | 3·2 | 0·0 | 26 | 3 | 28 | | | | Glasgow. |
| *p* Rothesay | 90 | 61 | 25th | 35 | 21st | 58·4 | 45·4 | 51·6 | − 1·6 | 67 | 0 | 2 | 0·92 | − 0·08 | *4·4* | — | *36* | | | 51·3 | | 53·8 | +0·3 | *Rothesay.* |
| *a* Kilmarnock | 90 | 64 | 25th | 28 | 21st | 59·7 | 42·7 | 50·8 | − 1·8 | 62 | 0 | 1 | 0·17 | — | *5·4* | — | *44* | | | | | | *Kilmarnock.* |
| *a* Colmonell | 150 | 64 | 25th | 31 | 21st | 60·4 | 45·3 | 52·5 | − 1·2 | 74 | 0 | 1 | 0·02 | − 0·94 | | | | 2 | 27 | | | | |
| *p* Dumfries | 160 | 62 | 25th | 34 | 21, 22 | 56·9 | 43·1 | 49·7 | − 3·9 | 54 | 0 | 0 | 0·00 | − 0·71 | *5·3* | + *0·6* | *43* | 2 | 29 | 52·2 | | 56·6 | | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 63 | 25th | 30 | 22nd | 60·3 | 39·9 | 49·6 | − 2·8 | 62 | 6 | 0 | 0·00 | − 0·92 | | | | | | | | | |
| ***b.* I. OF MAN.** | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 62 | 25th | 40 | 21st | 58·1 | 48·1 | 52·9 | − 0·6 | 76 | 0 | 0 | 0·00 | − 0·90 | 6·1 | — | 50 | 0 | 36 | | | | Douglas. |
| **2. ENGLAND, N.E.** | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 68 | 25th | 35 | 22nd | 61·3 | 42·0 | 51·2 | − 1·1 | 64 | 0 | 0 | 0·00 | − 0·58 | 7·0 | — | 57 | 1 | 30 | 48·7 | −3·4 | 52·9 | +0·1 | Cockle Park. |
| *a* Tynemouth | 96 | 65 | 24, 25 | 39 | 21, 22 | 59·4 | 42·3 | 50·4 | − 3·2 | 59 | 0 | 0 | 0·00 | − 0·41 | *5·8* | — | *47* | | | | | | *Tynemouth.* |
| *p* Durham | 336 | 65 | 25th | 32 | 22nd | 60·0 | 39·9 | 49·5 | − 3·7 | 61 | 6 | 1 | 0·01 | − 0·46 | 6·4 | + 2·3 | 52 | 1 | 28 | | | | Durham. |
| *a*, North *a* Rounton | 249 | 65 | 25th | 31 | 22nd | 59·9 | 40·3 | 49·6 | − 3·1 | 60 | 5 | 1 | 0·02 | − 0·43 | | | | 1 | 30 | 52·6 | | | | Rounton. |
| *a West Witton* | *605* | *66* | *25th* | *31* | *22nd* | *59·9* | *40·7* | *49·8* | — | *60* | *4* | *0* | *0·00* | — | | | | 2 | 27 | 50·3 | | 53·8 | | *West Witton.* |
| *p* Scarborough | 100 | 66 | 25th | 41 | 22nd | 60·3 | 45·7 | 52·7 | − 2·0 | 75 | 0 | 0 | 0·00 | − 0·47 | 6·0 | — | 49 | | | | | 59·5† | | Scarborough. |
| *p* York | 56 | 67 | 25th | 35 | 22nd | 60·9 | 41·6 | 50·9 | − 3·6 | 63 | 0 | 1 | 0·03 | − 0·39 | 6·1 | + 2·2 | 50 | | | 54·4 | −1·3 | 57·3 | +1·6 | York. |
| | | | | | | | | | | | | | | | *5·1* | — | *42* | 1 | 29 | 50·4 | −4·2 | 56·7 | +1·3 | *Hull.* |
| **b, South** *a* Spurn Head | 26 | 66 | 24, 25 | 44 | 22nd | 61·0 | 46·4 | 53·4 | − 2·5 | 80 | 0 | 0 | 0·00 | − 0·35 | *6·6* | — | *54* | | | | | | | *Spurn Head.* |
| *a* Lincoln | 58 | 71 | 25th | 36 | 23rd | 63·9 | 40·0 | 51·4 | − 3·5 | 74 | 6 | 1 | 0·04 | − 0·37 | | | | | | 52·9 | −2·8 | 58·2 | +2·2 | Lincoln. |
| *a* Fulbeck | 180 | 69 | 25th | 36 | 22nd | 63·4 | 40·6 | 51·5 | − 3·7 | 72 | 4 | 1 | 0·05 | − 0·38 | 7·7 | — | 63 | 0 | 32 | 54·3 | −2·7 | 58·0 | +1·0 | Rauceby. |
| | | | | | | | | | | | | | | | *7·9* | — | 64 | | | | | | +1·0 | Skegness. |
| | | | | | | | | | | | | | | | *7·2* | — | *59* | 0 | 41 | 55·1 | −2·8 | 58·7 | −0·1 | *Lowestoft.* |
| **3. ENGLAND, E.** | | | | | | | | | | | | | | | 6·8 | — | 55 | | | | | | | Cromer. |
| *p* Cromer | 196 | 69 | 25th | 45 | 20th | 63·3 | 47·6 | 55·1 | − 0·3 | 92 | 0 | 1 | 0·05 | — | 6·9 | + 2·4 | 56 | 0 | 37 | | | | | Lit. Massingham. |
| *p* Little Massingham | 280 | 68 | 25th | 41 | 22nd | 62·4 | 43·3 | 52·4 | − 2·8 | 73 | 0 | 4 | 0·49 | − 0·08 | | | | | | | | | | |
| **a, North** *a* Yarmouth | 17 | 68 | 26th | 40 | 20th | 61·3 | 43·0 | 51·7 | − 4·4 | 68 | 0 | 2 | 0·51 | + 0·03 | 6·5 | — | 53 | | | 55·3 | −2·7 | 59·4 | +0·2 | Yarmouth. |
| *a* Norwich | 93 | 68 | 24th | 37 | 23rd | 63·0 | 42·3 | 52·2 | − 3·9 | 71 | 0 | 1 | 0·15 | — | *6·3* | — | *51* | 0 | 33 | 53·7 | | | | *Norwich.* |
| *a* Geldeston | 37 | 68 | 26th | 36 | 23, 25, 26 | 62·9 | 40·1 | 51·0 | − 4·9 | 71 | 5 | 1 | 0·07 | − 0·43 | 6·2 | + 1·2 | 50 | 0 | | | | | | Geldeston. |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| **b, South** *p* Cambridge | 41 | 71 | 26th | 33 | 23rd | 64·4 | 38·6 | 50·9 | − 5·0 | 77 | 10 | 1 | 0·01 | − 0·42 | 7·1 | + 2·3 | 58 | 5 | 25 | 54·2 | −3·0 | 58·6 | +0·5 | Cambridge. |
| *a Felixstowe* | *10* | *64* | *24th* | *42* | *24th* | *61·7* | *46·7* | *53 8* | − *3·2* | *83* | *0* | *1* | *0·02* | — | *8·2* | — | *67* | | | | | | | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 66 | 26th | 41 | 22nd | 64·3 | 45·3 | 52 9 | − 3·6 | 76 | 0 | 1 | 0·01 | — | 8·7 | — | 71 | 0 | 36 | 55·8 | −2·1 | 59 0 | +0·4 | Clacton. |
| *a* Rothamsted | 424 | 70 | 26th | 31 | 23rd | 62 4 | 36·9 | 49·0 | − 5·6 | 70 | 14 | 1 | 0·01 | − 0·49 | 7·3 | + 2·6 | 59 | | | | | | | Rothamsted. |
| *a Shoeburyness* | *13* | *70* | *26th* | *38* | *23rd* | *62·1* | *42·1* | *51·6* | − *6·1* | *67* | *0* | *2* | *0·04* | − *0·40* | *6·8* | — | *55* | 0 | 36 | 58·0 | −1·9 | | | *Southend.* |
| *p* Tottenham | 51 | 72 | 26th | 36 | 23rd | 63·1 | 41·0 | 51·5 | − 4·9 | 71 | 3 | 0 | 0·00 | — | 6·6 | — | 54 | 0 | 31 | | | 60·8 | +1·1 | Tottenham. |
| **4. MIDLAND COUNTIES.** | | | | | | | | | | | | | | | *6·9* | — | *56* | 0 | 31 | 51·6 | −3·0 | 56·1 | +1·2 | *Huddersfield.* |
| *a* Harrogate | 476 | 66 | 25th | 35 | 22nd | 59·4 | 41·6 | 50·1 | − 2·9 | 58 | 1 | 0 | 0·00 | − 0·58 | 7·1 | — | 58 | 2 | 29 | 51·9 | −2·4 | 54·7 | +1·1 | Harrogate. |
| *a* Bawtry | 65 | 69 | 25th | 33 | 22nd | 62·4 | 38·4 | 49·8 | − 4·6 | 70 | 10 | 1 | 0·04 | − 0·35 | 7·3 | + 3·5 | 58 | 5 | 28 | 52·3 | | 55·6 | | Worksop. |
| *p Buxton* | *987* | *63* | *25th* | *32* | *22nd* | *57·3* | *36·9* | *46·6* | − *4·7* | *54* | *14* | *0* | *0·00* | − *0·85* | *7·0* | — | *57* | 1 | 30 | 49·3 | −3·9 | 56·2 | +2·4 | *Buxton.* |
| **a, East** *a* Nottingham | 82 | 70 | 25th | 33 | 23-26 | 63·0 | 36·1 | 48·9 | − 5·9 | 73 | 17 | 1 | 0·02 | − 0·44 | 8·1 | — | 66 | 0 | 31 | 50·8 | −4·1 | 57·5 | +1·1 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 66 | 25th | 38 | 21st | 60 3 | 41·9 | 50·7 | − 3·8 | 61 | 0 | 1 | 0·01 | − 0·46 | 5·9 | — | 48 | 4 | 24 | 50·2 | −2·9 | 54·0 | +0·9 | Birmingham. |
| *a* Raunds | 203 | 72 | 26th | 31 | 23rd | 63·0 | 35·7 | 50·1 | − 4·7 | 83 | 18 | 1 | 0·02 | — | *8·0* | — | *65* | * | * | 56·6 | | 58·1 | | *Raunds.* |
| *p* Oxford | 208 | 69 | 25th | 33 | 23rd | 63 4 | 38·6 | 50·4 | − 4·9 | 73 | 10 | 0 | 0·00 | − 0·43 | 8·1 | + 3·4 | 66 | 2 | 27 | | | | | Oxford. |
| | | | | | | | | | | | | | | | 7·7 | — | 63 | 0 | 32 | 53·3 | −1·3 | 55·9 | +0·2 | Sheffield. |
| **a, West** *a* Cheadle | 646 | 64 | 25th | 33 | 23rd | 59·4 | 38·7 | 48·6 | − 4·6 | 60 | 9 | 0 | 0·00 | − 0·62 | * | * | * | 0 | 33 | * | * | * | * | Cheadle. |
| *p* Shrewsbury | 191 | 67 | 25th | 31 | 25th | 61·7 | 35 6 | 47·6 | − 7 5 | 66 | 18 | 0 | 0·00 | — | * | * | * | 0 | 33 | * | * | * | * | Shrewsbury. |
| *a* Hereford§ | 291 | 68 | 25th | 30 | 23rd | 63·3 | 34·4 | 48·2 | − 6 7 | 75 | 21 | 0 | 0·00 | − 0·45 | *8·6* | — | *70* | 5 | 25 | 53·8 | | 58·6 | | *Malvern.*§ |
| *a* Cirencester | 446 | 67 | 25th | 34 | 23rd | 61·6 | 38·4 | 49·4 | − 5·0 | 67 | 10 | 0 | 0·00 | − 0·55 | 7·8 | + 3·3 | 63 | 1 | 30 | 53·5 | | 56·6 | | Cirencester. |
| *a* Bath | 66 | 69 | 25, 26 | 34 | 23rd | 64·3 | 37·6 | 50·3 | − 6·0 | 77 | 12 | 0 | 0·00 | − 0·56 | 8·2 | — | 67 | * | * | * | * | * | * | Bath. |
| **5. ENGLAND, S.E.** | | | | | | | | | | | | | | | * | * | * | 0 | 32 | 55·7 | −1·6 | 59·8 | +1·0 | Canterbury. |
| *p* Kew | 18 | 70 | 26th | 36 | 23rd | 63·0 | 40·0 | 51·0 | − 4·7 | 71 | 6 | 1 | 0·10 | − 0·39 | 7·0 | + 2·5 | 57 | 2 | 30 | 52·6 | −4·1 | 57·6 | +0·5 | Kew. |
| *a* Marlborough | 424 | 68 | 26th | 29 | 23, 24 | 62·3 | 32·6 | 46·7 | − 6·8 | 72 | 26 | 0 | 0·00 | − 0·53 | 7·3 | + 3·2 | 59 | 6 | 26 | 53·4 | | 57·1 | | Marlborough. |
| *a* Margate | 35 | 72 | 26th | 49 | 20–23 | 62·1 | 50·0 | 56·8 | − 1·7 | 97 | 0 | 0 | 0·00 | − 0·47 | 8 6 | + 3·8 | 70 | 0 | 44 | 57·9 | +0·6 | 61·0 | +3·3 | Margate. |
| *a* Wisley, Surrey | 150 | 73 | 26th | 31 | 23rd | 64·1 | 36·6 | 49·7 | − 6·6 | 77 | 15 | 1 | 0·04 | — | 7·8 | — | 63 | 5 | 23 | 53·6 | −3·5 | 57·6 | −0·6 | Wisley. |
| | | | | | | | | | | | | | | | 9·5 | — | 77 | 0 | 33 | 55·1 | −3·2 | 59·7 | +0·6 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 70 | 26th | 31 | 23rd | 63·7 | 35·9 | 49·1 | − 6·3 | 75 | 17 | 0 | 0·00 | − 0·53 | * | * | * | 0 | 31 | 54·7 | * | * | * | Salisbury. |
| *a* Tunbridge Wells | 418 | 71 | 26th | 35 | 23rd | 63·4 | 39·7 | 51·0 | − 4·6 | 73 | 6 | 0 | 0·00 | − 0·56 | 8·3 | + 3·2 | 68 | 2 | 28 | 54·9 | −2·6 | 58·4 | | Tunbridge Wells |
| *a* Dungeness | 21 | 65 | 24, 26 | 39 | 22nd | 61·9 | 42·4 | 51·7 | − 6·0 | 68 | 0 | 0 | 0·00 | − 0·52 | 8·1 | — | 66 | | | | | | | Littlestone. |
| *p* Hastings | 178 | 66 | 26th | 44 | 20th | 62·1 | 47·9 | 54·7 | − 2·7 | 89 | 0 | 1 | 0·02 | − 0·63 | *9·9* | + *4·5* | *81* | 0 | 39 | 56·6 | | 60·3 | | *Hastings.* |
| *p* Southampton | 65 | 71 | 26th | 38 | 23rd | 63·6 | 41·6 | 52·1 | − 5·2 | 72 | 1 | 0 | 0·00 | − 0·55 | 8·5 | + 3·4 | 69 | 0 | 32 | * | * | * | * | Southampton. |
| *a* Ventnor | 80 | 68 | 26th | 43 | 21st | 63·0 | 50·4 | 56·4 | − 2·4 | 101 | 0 | 0 | 0·00 | − 0·62 | 9·5 | + 4·0 | 77 | * | * | * | * | * | * | Ventnor. |
| | | | | | | | | | | | | | | | *9·1* | — | *74* | 0 | 34 | 54·9 | −3·8 | 60·1 | +0·4 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 9·2 | + 3·8 | 75 | * | * | 57·5 | * | 60·7 | * | Eastbourne. |
| | | | | | | | | | | | | | | | *9·0* | — | *73* | * | * | 54·9 | * | 58·6 | * | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | *9·5* | + *4·0* | *77* | 0 | 38 | | | 60·6 | | *Brighton.* |
| *a Westminster* | *27* | *71* | *26th* | *37* | *23rd* | *63·9* | *42·2* | *52·5* | − *4·0* | *74* | *0* | *1* | *0·13* | − *0·33* | *6·4* | + *2·7* | *52* | 0 | 32 | * | * | * | * | *Westminster.* |
| *a Greenwich* | *155* | *74* | *26th* | *35* | *23rd* | *65·6* | *40·7* | *52·6* | − *4·3* | *80* | *4* | *1* | *0·09* | − *0·36* | *7·3* | + *2·3* | *59* | 4 | 27 | * | * | * | * | *Greenwich.* |
| *a Hampstead* | *460* | *71* | *26th* | *?38* | *? 22nd* | *62·3* | *?41·8* | *?51·5* | — | *68* | *1* | *1* | *0·11* | — | *7·4* | — | *60* | 1 | 30 | * | * | * | * | *Hampstead.* |
| *a Camden Square* | *110* | *73* | *26th* | *36* | *23rd* | *65·9* | *41·0* | *52·9* | — | *81* | *3* | *1* | *0·18* | — | *5·9* | — | *48* | 0 | 34 | * | * | * | * | *Camden Square.* |
| | | | | | | | | | | | | | | | *6·0* | — | *49* | 2 | 26 | 51·0 | −2·9 | 55·1 | +1·3 | *Burnley.* |
| **7. *a*, ENGLAND, N.W.** | | | | | | | | | | | | | | | 8·9 | — | 72 | * | * | * | * | * | * | Hoylake. |
| *p* Aspatria | 250 | 65 | 24, 25 | 33 | 21st | 60·4 | 42·0 | 50·8 | − 1·8 | 62 | 0 | 0 | 0·00 | − 0·88 | 6·4 | — | 52 | 2 | 27 | 52·1 | * | 54·8 | * | Aspatria. |
| *p* Newton Rigg | 559 | 63 | 25th | 29 | 22nd | 59·0 | 39·4 | 48·7 | − 2·9 | 58 | 7 | 0 | 0·00 | − 0·69 | 5·9 | + 1·9 | 48 | 5 | 22 | 52·1 | −2·9 | 54·4 | 0·0 | Newton Rigg. |
| *p* Stonyhurst | 375 | 63 | 25th | 37 | 21, 22 | 58·7 | 41·3 | 49·6 | − 3·9 | 56 | 2 | 0 | 0·00 | − 0·98 | 6·5 | + 2·4 | 53 | 4 | 25 | * | * | * | * | Stonyhurst. |
| *p* Blackpool | 66 | 66 | 25th | 35 | 21st | 60·4 | 41·4 | 50·4 | − 4·4 | 61 | 2 | 1 | 0·10 | − 0·63 | 7·2 | + 3·1 | 59 | 1 | 25 | 54·0 | * | 56·1 | * | Blackpool. |
| *a Southport* | *37* | *67* | *25th* | *36* | *21st* | *61·0* | *43·0* | *51·6* | − *2 9* | *67* | *0* | *0* | *0·00* | − *0·69* | *7·4* | + *3·2* | *60* | 1 | 27 | 52·7 | −3·8 | 57·6 | −0·1 | *Southport.* |
| *a* Liverpool (Bidston) | 188 | 65 | 25th | 44 | 23, 24 | 60·1 | 44·9 | 52·1 | − 2·7 | 71 | 0 | 0 | 0·00 | − 0·62 | *7·5* | — | *61* | * | * | * | * | * | * | *Liverpool.* |
| *a Hawarden Bridge* | *22* | *67* | *25th* | *33* | *21–23* | *62·1* | *40·6* | *50·8* | − *4·9* | *67* | *4* | *1* | *0·02* | − *0·43* | *6·1* | — | *50* | 1 | 29 | 53·1 | −2·4 | 59·4 | +2·3 | *Manchester (City).* |
| *p* Manchester (Whit. Pk.) | 125 | 68 | 25th | 35 | 21st | 61·4 | 41·5 | 51·0 | − 3·4 | 65 | 1 | 1 | 0·04 | − 0·59 | *6·5* | + *3·1* | *53* | * | * | * | * | * | * | " (Whit. Park) |
| ***b* NORTH WALES.** | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 67 | 25th | 42 | 22nd | 61·6 | 47·0 | 54·0 | − 2·1 | 84 | 0 | 0 | 0·00 | − 0·57 | 6·5 | + 2·3 | 53 | * | * | * | * | * | * | Llandudno. |
| *a* Holyhead | 15 | 65 | 25th | 44 | 22nd | 60·7 | 49·9 | 55·0 | − 0·6 | 91 | 0 | 0 | 0·03 | − 0 66 | *6·5* | — | *53* | * | * | * | * | * | * | *Holyhead.* |
| *Bettws-y-Coed* | *148* | *70* | *25th* | *38* | *23rd* | *60·7* | *42·1* | *51·0* | − *4·0* | *63* | *0* | *0* | *0·00* | — | *6·7* | — | *55* | * | * | 50·7 | −2·4 | 54·6 | +0·8 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 8·7 | — | 71 | * | * | * | * | * | * | Aberd wey |

* For notes see also opposite page. † At 3 ft. § The temperature on the grass refers to Hereford.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Average | Accumulated Heat for the Week (in Day° degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 9·3 | — | 76 | | | | | | | |
| *a* Llangammarch Wells | 550 | 69 | 25th | 29 | 21st | 61·4 | 32·6 | 46·3 | - 6·6 | 70 | 26 | 0 | 0·00 | — | 6·9 | — | 56 | 3 | 29 | 50·9 | -3·7 | 55·3 | +0·5 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 62· | 24–26 | 45 | 21–23 | 59·9 | 49·3 | 54·4 | - 1·6 | 87 | 0 | 0 | 0·00 | - 0·70 | 8·6 | + 3·8 | 70 | | | | | | | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 67 | 25th | 38 | 22nd | 62·1 | 42·1 | 51·6 | - 3·6 | 67 | 0 | 0 | 0·00 | - 0·83 | *9·2* | — | *75* | 0 | 37 | 55·1 | -0·6 | 58·7 | +1·5 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 69 | 25th | 39 | 21st | 62·7 | 42·9 | 52·3 | - 4·1 | 72 | 0 | 0 | 0·00 | - 0·63 | *8·4* | — | *68* | 0 | 37 | | | | | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 67 | 26th | 38 | 21st | 60·6 | 43·1 | 51·4 | - 3·6 | 66 | 0 | 0 | 0·00 | - 0·64 | | | | | | 54·9 | | 58·9 | | Shaftesbury. |
| *a* Arlington .. .. | 613 | 65 | 25th | 35 | 21, 22 | 60·6 | 41·3 | 50·5 | - 3·8 | 62 | 2 | 0 | 0·00 | - 1·10 | | | | | | | | | | Arlington. |
| *a Newquay* .. .. | *190* | *64* | *25th* | *37* | *21, 22* | *60·7* | *45·0* | *52·5* | *- 4·4* | *74* | *0* | *0* | *0·00* | *- 0·70* | 9·5 | + 4·5 | 77 | 0 | 32 | 56·5 | | 58·9 | | Newquay. |
| *a* Cullompton .. .. | 202 | 71 | 26th | 32 | 21, 22 | 64·4 | 36·1 | 49·6 | - 5·3 | 78 | 17 | 0 | 0·00 | - 0·60 | 8·7 | + 4·2 | 71 | 3 | 28 | 55·0 | | | | Cullompton. |
| *a* Portland Bill .. .. | 19 | 66 | 26th | 46 | 21st | 61·7 | 51·3 | 56·3 | - 1·5 | 100 | 0 | 0 | 0·00 | — | *9·7* | — | *79* | | | | | | | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 66 | 25th | 38 | 22nd | 62·6 | 44·3 | 53·0 | - 3·8 | 77 | 0 | 0 | 0·00 | - 0·64 | 9·8 | + 4·8 | 80 | | | | | | | Plymouth. |
| *a* Falmouth .. .. | 167 | 68 | 26th | 42 | 21, 22 | 62·1 | 46·6 | 54·0 | - 2·7 | 84 | 0 | 0 | 0·00 | - 0·80 | 9·8 | + 4·7 | 80 | 0 | 32 | 58·8 | | 61·0 | | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. { *a* Malin Head .. .. | 208 | 62 | 24th | 45 | 22nd | 59·3 | 48·4 | 53·6 | - 0·4 | 81 | 0 | 2 | 0·24 | - 0·46 | *3·1* | — | *25* | | | | | | | *Malin Head.* |
| *a* Blacksod Point .. | 37 | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Markree Castle .. | 122 | 65 | 24th | 30 | 21st | 61·0 | 43·6 | 51·9 | - 0·9 | 69 | 0 | 3 | 0·55 | - 0·30 | 4·5 | + 0·9 | 37 | 1 | 27 | 55·9 | | 56·6 | | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 68 | 25th | 34 | 21, 22 | 62·4 | 43·6 | 52·6 | - 0·9 | 74 | 0 | 1 | 0·02 | - 0·53 | *6·5* | *+ 2·3* | *53* | | | | | | | *Birr Castle.* |
| *b*, East .. { *p* Armagh .. .. | 196 | 66 | 25th | 35 | 21st | 61·3 | 45·7 | 53·1 | 0·0 | 78 | 0 | 0 | 0·00 | - 0·61 | 7·0 | + 3·2 | 57 | 0 | 31 | 54·6 | -1·6 | 56·1 | +0·1 | Armagh. |
| *a* Donaghadee .. .. | 101 | 64 | 25th | 40 | 21st | 59·0 | 47 0 | 52·7 | - 1·6 | 75 | 0 | 1 | 0·04 | - 0·58 | | | | | | | | | | |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | | | | | | | | | | *Trinity Coll.* |
| *a*, East .. { *p* Dublin, City .. .. | 47 | 66 | 25th | 38 | 21st | 61·4 | 46·1 | 53·4 | - 1·9 | 80 | 0 | 1 | 0·01 | - 0·49 | 7·6 | + 3·0 | 62 | 1 | 28 | | | | | Phœnix Park. |
| *a* Kilkenny .. .. | 212 | 66 | 25th | 32 | 21st | 61·7 | 45·0 | 53·0 | - 1·2 | 77 | 0 | 0 | 0·00 | - 0·57 | | | | 0 | 36 | | | | | Dublin City. |
| *a* Waterford .. .. | 20 | 64 | 25th | 35 | 21st | 60·7 | 46·4 | 53·2 | - 1·4 | 78 | 0 | 1 | 0·04 | - 0·64 | | | | | | | | | | |
| *a Seskin, Carrick-on-Suir* | *541* | *63* | *25th* | *41* | *21st* | *59·6* | *46·4* | *52·7* | — | *75* | *0* | *2* | *0·12* | — | *6·1* | — | *50* | 1 | 26 | | | | | *Seskin.* |
| *b*, West .. { *a* Birr Castle .. .. | 175 | 68 | 25th | 34 | 21, 22 | 62·4 | 43·6 | 52·6 | - 0·9 | 74 | 0 | 1 | 0·02 | - 0·53 | 6·5 | + 2·3 | 53 | | | | | | | Birr Castle. |
| *a* Foynes .. .. | 50 | 69 | 25th | 36 | 21st | 62·0 | 48·1 | 54·7 | 0·0 | 89 | 0 | 1 | 0·19 | - 0·51 | | | | | | | | | | |
| *a* Cahir .. .. | 199 | 67 | 25th | 32 | 21st | 62·4 | 46·9 | 54·3 | - 0·3 | 86 | 0 | 0 | 0·00 | — | | | | | | | | | | |
| *a* Killarney .. .. | 174 | 72 | 25th | 37 | 21st | 63·3 | 49·3 | 56·0 | + 1·4 | 98 | 0 | 2 | 0·41 | - 0·51 | | | | | | | | | | |
| *a* Valencia .. .. | 30 | 64 | 25th | 41 | 21st | 60·4 | 50·6 | 55·3 | - 0·5 | 93 | 0 | 2 | 1·46 | + 0·46 | 4·5 | + 0·2 | 37 | | | | | | | Valencia. |
| *a* Roche's Point .. .. | 32 | 63 | 25th | 42 | 21st | 60·0 | 50·1 | 54·8 | - 1·1 | 90 | 0 | 5 | 0·27 | - 0·47 | 5·5 | — | 45 | | | | | | | Ballinacurra |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 64 | 26th | 48 | 21st | 61·7 | 51·6 | 56·4 | - 1·8 | 101 | 0 | 1 | 0·02 | - 0·62 | 9·4 | + 3·9 | 76 | | | | | | | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 69 | 25, 26 | 42 | 23rd | 64·1 | 47·9 | 55·6 | - 4·2 | 95 | 0 | 1 | 0·01 | - 0·65 | 8·8 | + 2·9 | 72 | | | | | | | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 72 | 20th | 45 | 22nd | 65·3 | 49·6 | 57·1 | - 2·1 | 106 | 0 | 0 | 0·00 | - 0·74 | 9·5 | + 3·9 | 77 | 0 | 40 | 59·0 | -1·2 | 61·8 | +0·9 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 8·9 hrs. 72 °/₀; Ramsgate. hrs. °/₀; Rhyl, 7·6 hrs. 62 °/₀; Salcombe, 10·4 hrs. 85 °/₀; Tenby, 9·4 hrs. (+4·5) 76 °/₀; Torquay, 9·9 hrs. (+4·7) 81 °/₀.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Sept. 26th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. . | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | 49 | 48 | 48·7 | -3·4 |
| SCOTLAND, E. | | | | |
| Cromarty .. . | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. . | — | — | — | — |
| Ballantrae .. . | 59 | 54 | 56·6 | +2·4 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 51 | 47 | 48·8 | -3·8 |
| Scarborough .. . | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 57 | 55 | 55·7 | -4·5 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. . | 59 | 56 | 57·7 | -2·6 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 58 | 56 | 56·7 | +0·8 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 58 | 55 | 56·7 | — |
| Plymouth‡ .. .. | 59 | 58 | 58·7 | -0·1 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. . | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. . | — | — | — | — |
| Seafield .. .. | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, September 26th.

| DISTRICT AND STATION | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. | 75 | — | — | — | — | 22 | 146 | NNW. 7 | 20th 12h. | 17 20th 3.50 |
| Aberdeen .. .. | 105 | — | — | — | — | 53 | 115 | NW.byN.10 | 20th 11h. | 17 28th 12. 5 |
| Rosyth .. .. | 73 | — | — | 26th | 6 | 47 | 115 | W. by N. 12 | 26th 15h. | 19 26th 14.30 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 23rd | 1 | 63 | 104 | SW.byS. 12 | 23rd 13h. | 17 23rd 13.15 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 25 | 143 | SW.byS. 8 | 23rd 13h. | 16 26th 11. 5 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 15 | 138 | NNW. 9 | 20th 13h. | 16 20th 11. 5 |
| South Shields .. | 61 | — | — | — | — | 38 | 130 | N. 10 | 20th 13h. | 17 20th 10.20 |
| Spurn Head .. | 40 | — | — | 20th | 16 | 53 | 99 | N. by W. 15 | 20th 20h. | 20 20th 19.45 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 20th | 5 | 40 | 123 | — 12 | 20th 15h. | 20 20th 15.30 |
| Shoeburyness .. | 90 | — | — | — | — | 28 | 140 | N. 8 | 20th 14h. | 17 20th 14.55 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 20, 21 | 21 | 29 | 118 | — 14 | 20th 14h. | 22 20th 18.15 |
| Warlingham .. | 33 | — | — | — | — | — | 168 | — 5 | 20th 12h. | 12 20th 12.40 |
| Brighton .. .. | 53 | — | — | — | — | 20 | 148 | — 8 | 20th 6h. | 15 20th 13. 0 |
| Kew .. .. .. | 40 | — | — | — | — | 1§ | 164§ | N. 6 | 21st 11h. | 12 21st 12. 5 |
| South Kensington | 92 | — | — | — | — | — | 168 | N. by W. 4 | 20th 10h. | 8 20th 7.20 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | 1 | 167 | NNE. 6 | 20th 12h. | 10 20th 11.50 |
| Southport .. .. | 62 | — | — | 20th | 1 | 53 | 114 | NNW. 11 | 20th 1h. | 15 20th 0.40 |
| Holyhead .. .. | 40 | — | — | 20, 23 | 11 | 98 | 59 | NNW. 14 | 20th 1h. | 18 20th 0.45 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | — | — | 24th | 1§ | 76§ | 90§ | SE. 12 | 24th 15h. | 15 20th 5.40 |
| Plymouth .. .. | 86 | — | — | — | — | 20 | 148 | — 9 | 24th 14h. | 13 24th 16. 6 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 23, 24 | 8 | 96 | 64 | — 12 | 24th 12h. | 17 24th 11.30 |
| Weaver Pt. .. | 30 | — | — | — | — | 72 | 96 | — 9 | 23rd 13h. | 12 23rd 2.30 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly .. .. .. | 19 | — | — | — | — | — | — | — | — | — — — |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

**THIRTY-EIGHTH WEEK**—September 20th to September 26th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| **0.** SCOTLAND, NORTH ... | 67 | 32 | 56·6 | 46·0 | 51·1 | − 0·1 | 64 | − 1 | 0 | − 1 | 4 | − 1 | 0·32 | −0·74 | 2·0 | −1·3 | 16 | 1019 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 71 | 22 | 58·9 | 42·2 | 50·2 | − 1·5 | 57 | − 12 | 0 | − 1 | 1 | − 2 | 0·07 | −0·47 | 3·3 | −0·5 | 27 | 1022 |
| **2.** ENGLAND, N.E. ... ... | 71 | 31 | 61·1 | 42·1 | 51·2 | − 2·7 | 64 | − 19 | 0 | 0 | 1 | − 2 | 0·02 | −0·33 | 6·9 | +2·5 | 56 | 1025 |
| **3.** ENGLAND, EAST ... | 72 | 31 | 62·7 | 42·0 | 51·9 | − 3·7 | 69 | − 27 | 0 | 0 | 1 | − 2 | 0·14 | −0·28 | 7·0 | +2·1 | 57 | 1025 |
| **4** MIDLAND COUNTIES ... | 72 | 30 | 62·2 | 37·9 | 49·5 | − 4·9 | 70 | − 17 | 11 | +10 | 1 | − 2 | 0·01 | −0·43 | 7·5 | +3·2 | 61 | 1026 |
| **5.** ENGLAND, S.E. ... ... | 73 | 29 | 62·9 | 41·7 | 51·8 | − 5·0 | 70 | − 33 | 1 | + 1 | 1 | − 2 | 0·02 | −0·45 | 8·4 | +3·4 | 68 | 1025 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 64 | 28 | 58·5 | 44·1 | 51·0 | − 1·8 | 63 | − 13 | 0 | 0 | 1 | − 2 | 0·27 | −0·66 | 4·7 | +0·6 | 38 | 1024 |
| **7.** ENGLAND, N.W. ... ... | 68 | 29 | 60·3 | 43·4 | 51·5 | − 3·1 | 67 | − 21 | 0 | 0 | 1 | − 3 | 0·02 | −0·64 | 7·2 | +3·0 | 58 | 1025 |
| **8.** ENGLAND, S.W. ... ... | 71 | 29 | 61·8 | 43·0 | 51·9 | − 4·0 | 69 | − 28 | 0 | 0 | 0 | − 4 | 0·00 | −0·69 | 8·9 | +4·3 | 73 | 1025 |
| **9.** IRELAND, NORTH ... | 68 | 30 | 60·6 | 45·7 | 52·8 | − 0·8 | 76 | − 6 | 0 | 0 | 1 | − 3 | 0·17 | −0·52 | 5·8 | +2·1 | 47 | 1022 |
| **10.** IRELAND, SOUTH ... | 72 | 32 | 61·6 | 47·3 | 54·1 | − 0·8 | 85 | − 5 | 0 | 0 | 1 | − 2 | 0·27 | −0·37 | 6·0 | +1·6 | 49 | 1024 |
| **11.** ENGLISH CHANNEL ... | 72 | 42 | 63·7 | 49·7 | 56·4 | − 2·4 | 101 | − 17 | 0 | 0 | 1 | − 3 | 0·01 | −0·57 | 9·2 | +3·2 | 75 | 1025 |

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 4 Weeks, August 30th to September 26th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 75 | 32 | * | * | * | * | 306 | + 6 | 0 | − 1 | 17 | − 2 | 2·87 | −1·20 | 3·6 | +0·1 | 27 | 1014 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 76 | 22 | * | * | * | * | 310 | − 15 | 0 | − 2 | 10 | − 5 | 1·10 | −1·11 | 4·1 | −0·2 | 31 | 1015 |
| **2.** ENGLAND, N.E. ... ... | 82 | 31 | * | * | * | * | 399 | + 23 | 0 | 0 | 10 | − 3 | 1·28 | −0·77 | 5·7 | +1·0 | 44 | 1017 |
| **3.** ENGLAND, EAST ... | 82 | 31 | * | * | * | * | 447 | + 22 | 0 | 0 | 10 | − 2 | 1·06 | −0·77 | 6·5 | +1·3 | 50 | 1018 |
| **4.** MIDLAND COUNTIES ... | 82 | 30 | * | * | * | * | 428 | + 36 | 11 | +10 | 11 | − 1 | 1·10 | −0·89 | 5·8 | +1·2 | 45 | 1018 |
| **5.** ENGLAND, S.E. ... ... | 82 | 29 | * | * | * | * | 466 | + 10 | 1 | + 1 | 9 | − 3 | 1·06 | −1·08 | 7·3 | +1·9 | 57 | 1018 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 77 | 28 | * | * | * | * | 361 | + 16 | 0 | 0 | 11 | − 4 | 2·20 | −1·59 | 4·8 | +0·4 | 36 | 1017 |
| **7.** ENGLAND, N.W. ... ... | 77 | 29 | * | * | * | * | 410 | + 21 | 0 | 0 | 14 | − 1 | 3·05 | +0·23 | 5·5 | +1·0 | 43 | 1017 |
| **8.** ENGLAND, S.W. ... ... | 80 | 29 | * | * | * | * | 447 | + 25 | 0 | 0 | 12 | − 2 | 2·41 | −0·45 | 6·2 | +1·1 | 48 | 1018 |
| **9.** IRELAND, NORTH ... | 75 | 30 | * | * | * | * | 377 | + 17 | 0 | 0 | 13 | − 4 | 1·83 | −1·20 | 4·1 | +0·2 | 32 | 1015 |
| **10.** IRELAND, SOUTH ... | 78 | 32 | * | * | * | * | 437 | + 43 | 0 | 0 | 13 | − 1 | 3·05 | +0·21 | 4·2 | −0·4 | 32 | 1018 |
| **11.** ENGLISH CHANNEL ... | 82 | 42 | * | * | * | * | 521 | + 22 | 0 | 0 | 15 | 0 | 3·43 | +1·15 | 6·1 | −0·3 | 47 | 1019 |

THE YEAR.—Aggregates, &c., for the Period of 38 Weeks, January 4th, 1914, to September 26th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 1952 | +180 | 391 | −167 | 171 | − 3 | 32·22 | −2·15 | 3·6 | 0·0 | 27 | 1010 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 2204 | +199 | 492 | −130 | 134 | − 9 | 19·76 | −1·31 | 4·4 | +0·1 | 33 | 1011 |
| **2.** ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 2620 | +397 | 299 | −176 | 122 | − 7 | 15·82 | −1·05 | 5·0 | +0·4 | 38 | 1013 |
| **3.** ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 2908 | +338 | 299 | −222 | 117 | − 7 | 14·73 | −1·47 | 5·5 | +0·5 | 42 | 1015 |
| **4.** MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 2814 | +293 | 378 | −156 | 124 | + 1 | 17·04 | −1·07 | 4·8 | +0·3 | 36 | 1015 |
| **5.** ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 2985 | +233 | 241 | −140 | 116 | − 2 | 18·38 | +0·79 | 5·8 | +0·7 | 44 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 2344 | +190 | 317 | −108 | 151 | + 1 | 29·13 | −2·37 | 4·4 | 0·0 | 33 | 1011 |
| **7.** ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 2626 | +275 | 227 | −159 | 138 | 0 | 23·21 | +0·07 | 4·9 | +0·4 | 37 | 1014 |
| **8.** ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 2822 | +221 | 192 | −109 | 144 | + 9 | 29·31 | +4·69 | 5·2 | +0·2 | 40 | 1015 |
| **9.** IRELAND, NORTH ... | 80 | 25 | * | * | * | * | 2418 | +167 | 246 | − 99 | 165 | + 1 | 25·86 | −0·08 | 4·1 | +0·1 | 31 | 1011 |
| **10.** IRELAND, SOUTH ... | 81 | 24 | * | * | * | * | 2792 | +218 | 174 | − 85 | 164 | +19 | 29·18 | +2·05 | 4·5 | 0·0 | 34 | 1013 |
| **11.** ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 3167 | +213 | 72 | − 37 | 140 | − 3 | 23·68 | +3·38 | 5·7 | −0·3 | 44 | 1016 |

M.O., September 30, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 = 29·531 mb mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 153

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 39. THIRTY-NINTH WEEK, SUNDAY, SEPTEMBER 27TH, TO SATURDAY, OCTOBER 3RD, 1914. *Price 6d.* *Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

A deep depression which travelled eastwards beyond Scotland to Norway on the night of September 27th caused high winds and gales from West to North-West on many parts of our northern and north-eastern coasts and over the North Sea. The wind also blew with gale force locally on isolated parts of the north-east coast on the day following, as well as on the eastern shores of the North Sea. In Scotland the progress of the disturbance was accompanied by rain, as much as an inch falling at Lerwick. Other depressions over Norway later in the week caused further rain in the north, but over all the more southern parts of the Kingdom the pressure distribution was almost continuously anticyclonic and the weather generally dry, with light or moderate winds from some point between West and North-West. The southern districts of England and Ireland lay, however, near the central portion of the anticyclone, and the direction of the winds was at times very variable. As a rule the temperature of the air was low for the time of year in Britain, especially in the south-eastern counties, and rather above it in Ireland. On the evening of September 27th a magnificent band of auroral light, resembling the immense tail of a comet, was observed at Dublin.

## THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Deficient | Moderate | Moderate | Moderate | Moderate | Deficient | Moderate | Moderate | Moderate | Unusual | Moderate | Moderate |
| | Rainfall ... | Light | Light | Very light | Very light | Light | Light | Very light | Nought | Very light | Very light | Very light | Nought |
| | Sunshine ... | Moderate | Very abundant | Abundant | Moderate | Abundant | Abundant | Moderate | Abundant | Abundant | Moderate | Moderate | Moderate |

## THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 5 weeks from Aug. 30th, 1914. | Warmth ... | 2*2 | 2*1 | 2*1 | 2*1 | 2*1 | 2*2 | 2*2 | 2*2 | 2*1 | 3*1 | 2*1 | 2*1 |
| | Rainfall ... | 1*3 | 1*4 | 1*3 | 0*3 | 0*3 | 0*3 | 1*3 | 2*3 | 2*3 | 0*3 | 2*3 | 2*2 |
| | Sunshine ... | 2*2 | 2*1 | 2*0 | 2*0 | 3*0 | 4*0 | 1*0 | 3*0 | 3*2 | 1*1 | 1*1 | 1*2 |

## PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6*0 | 8*0 | 8*0 | 10*0 | 11*0 | 11*0 | 6*0 | 9*0 | 9*0 | 8*0 | 9*2 | 11*0 |
| | Rainfall ... | 4*4 | 2*4 | 4*6 | 5*6 | 5*4 | 5*5 | 2*4 | 4*6 | 3*5 | 3*2 | 7*1 | 4*3 |
| | Sunshine ... | 5*4 | 5*6 | 6*3 | 4*1 | 4*3 | 5*2 | 1*4 | 6*3 | 4*6 | 2*5 | 2*6 | 2*4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6*3 | 7*2 | 7*2 | 9*3 | 7*4 | 7*4 | 4*2 | 8*3 | 7*4 | 7*2 | 7*4 | 6*4 |
| | Rainfall ... | 5*2 | 5*4 | 1*7 | 3*9 | 2*8 | 3*5 | 5*4 | 5*6 | 3*5 | 5*5 | 4*6 | 5*7 |
| | Sunshine ... | 3*1 | 2*2 | 1*2 | 3*4 | 2*6 | 4*4 | 2*6 | 2*0 | 3*5 | 1*9 | 1*7 | 2*5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3*1 | 6*0 | 8*1 | 8*2 | 6*1 | 7*1 | 5*3 | 5*1 | 8*1 | 6*3 | 6*2 | 9*1 |
| | Rainfall ... | 5*2 | 5*5 | 4*6 | 4*5 | 4*5 | 5*4 | 6*4 | 4*5 | 7*6 | 5*5 | 4*6 | 6*5 |
| | Sunshine ... | 4*4 | 4*2 | 3*2 | 6*5 | 4*5 | 4*1 | 4*2 | 4*2 | 4*2 | 4*4 | 4*4 | 4*4 |
| SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. | Warmth ... | 5*0 | 6*3 | 6*1 | 6*1 | 5*2 | 5*2 | 7*2 | 5*1 | 5*2 | 6*1 | 4*2 | 5*3 |
| | Rainfall ... | 2*4 | 2*4 | 3*5 | 3*5 | 3*4 | 2*4 | 2*7 | 4*3 | 5*3 | 2*7 | 4*2 | 7*3 |
| | Sunshine ... | 6*2 | 4*3 | 4*5 | 5*3 | 6*5 | 5*2 | 3*4 | 6*4 | 3*5 | 5*3 | 4*4 | 1*6 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(2794—19.) Wt. 229—611. 450. 10/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. | | | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). | | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. | | Earth 1 ft. | | Earth 4 ft. | | |
| | | | | | | Of Highest each day. | Of Lowest each day. | For whole of each day. | | Above 42° | Below 42° | | | | | | | Ground Frosts | Lowest Reading. | Mean | Difference from Average. | Mean. | Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | *Baltasound.* |
| *a*, Islands .. *a* Lerwick .. | 54 | 53 | 27th | 40 | 2nd | 49·4 | 41·9 | 45·5 | - 3·5 | 25 | 0 | 7 | 1·55 | — | 3·1 | - 0·3 | 26 | * | * | * | * | * | * | Deerness. |
| *a* Stornoway | 51 | 59 | 27th | 40 | 2, 3 | 55·0 | 44·7 | 49·8 | 0·0 | 53 | 0 | 6 | 1·19 | + 0·07 | 2·5 | - 1·0 | 21 | * | * | * | * | * | * | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *56* | *27, 30, 3* | *45* | *29th* | *55·4* | *49·6* | *52·4* | *+ 1·2* | *73* | *0* | *4* | *0·28* | — | *2·7* | — | *23* | * | * | * | * | * | * | *Castlebay.* |
| *a* Wick | 81 | 61 | 30th | 34 | 2nd | 55·0 | 41·1 | 47·7 | - 2·5 | 44 | 3 | 5 | 0·91 | + 0·29 | * | * | * | * | * | * | * | * | * | * |
| *b*, Main- *p* Strathpeffer | 200 | 64 | 30th | 37 | 29, 2 | 59·1 | 42·1 | 50·2 | + 0·3 | 57 | 0 | 6 | 0·40 | - 0·20 | 4·0 | + 0·4 | 34 | * | * | * | * | * | * | Strathpeffer. |
| land. *p* Glencarron | 500 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | * |
| *p* Fort Augustus | 68 | 60 | 3rd | 33 | 2nd | 57·4 | 41·7 | 49·2 | - 1·5 | 52 | 1 | 5 | 0·33 | - 0·60 | 3·0 | + 0·5 | 25 | * | * | * | * | * | * | Fort Augustus. |
| *p* Fort William | 175 | 58 | 27, 1 | 34 | 2nd | 56·1 | 42·4 | 48·9 | - 2·6 | 48 | 0 | 5 | 0·72 | - 1·03 | * | * | * | * | * | * | * | * | * | * |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle | 101 | 66 | 30th | 38 | 2nd | 58·6 | 42·3 | 50·1 | - 1·3 | 57 | 0 | 6 | 0·60 | - 0·05 | 4·5 | — | 38 | 0 | 31 | 52·5 | - 0·8 | 53·7 | 0·0 | Crathes S. |
| *a* Nairn | 82 | 64 | 30th | 35 | 2, 3 | 57·9 | 40·6 | 48·8 | - 1·6 | 53 | 4 | 5 | 0·17 | - 0·34 | *3·6* | — | *30* | * | * | * | * | * | * | *Gordon Castle.* |
| *a* Aberdeen | 46 | 73 | 30th | 39 | 2nd | 59·9 | 43·3 | 51·2 | 0·0 | 64 | 0 | 4 | 0·33 | - 0·27 | 4·9 | — | 41 | * | * | * | * | * | * | Nairn. |
| *a* Balmoral | 930 | 67 | 30th | 31 | 30th | 60·6 | 42·0 | 50·9 | + 3·3 | 62 | 0 | 3 | 0·30 | - 0·40 | 5·0 | + 1·2 | 42 | * | * | * | * | 52·4 | +0·5 | Aberdeen. |
| *p* Crieff | 432 | 63 | 30th | 35 | 29, 30, 2 | 60·1 | 41·0 | 50·1 | - 1·4 | 61 | 3 | 1 | 0·01 | - 0·77 | * | * | * | 2 | 26 | * | * | * | * | Balmoral. |
| *a* Leith | 18 | 63 | 30th | 38 | 30th | 60·1 | 46·3 | 52·9 | + 0·3 | 76 | 0 | 2 | 0·05 | - 0·36 | 6·1 | — | 51 | * | * | * | * | * | * | Balruddery. |
| *a* West Linton | 800 | 61 | 30th | 26 | 30th | 55·4 | 38·3 | 46·4 | - 3·0 | 46 | 10 | 4 | 0·23 | — | * | * | * | * | * | * | * | * | * | * |
| *p* Marchmont | 498 | 62 | 27th | 34 | 30th | 60·3 | 42·1 | 50·8 | + 0·2 | 62 | 0 | 1 | 0·06 | - 0·60 | *4·5* | — | *38* | 3 | 22 | * | * | * | * | *West Linton.* |
| *a Edinburgh* | *441* | *62* | *30th* | *39* | 29th | *58·0* | *46·6* | *52·0* | — | *70* | *0* | *2* | *0·03* | — | 6·1 | + 2·6 | 51 | 1 | 30 | * | * | * | * | Marchmont. |
| | | | | | | | | | | | | | | | 5·6 | — | 47 | 0 | 31 | * | * | * | * | Edinburgh. |
| **6.** *a*, SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 57 | 3rd | 37 | 29, 30 | 55·6 | 43·6 | 49·3 | - 2·5 | 51 | 0 | 5 | 0·88 | - 0·26 | * | * | * | * | * | * | * | * | * | * |
| *p* Glasgow Observatory | 180 | 58 | 27, 3 | 39 | 29th | 56·9 | 45·6 | 51·0 | - 0·3 | 63 | 0 | 4 | 0·25 | - 0·52 | 3·0 | 0·0 | 25 | 2 | 28 | * | * | * | * | Glasgow. |
| *p* Rothesay | 90 | 60 | 30th | 38 | 30th | 57·1 | 44·9 | 50·7 | - 1·3 | 61 | 0 | 4 | 0·36 | - 0·64 | *3·6* | — | *30* | 0 | 37 | 52·3 | * | 53·7 | +0·6 | *Rothesay.* |
| *a* Kilmarnock | 90 | 59 | 27, 30, 3 | 32 | 29th | 57·6 | 43·7 | 50·3 | - 1·2 | 58 | 0 | 4 | 0·40 | — | *4·3* | — | *36* | * | * | * | * | * | * | *Kilmarnock.* |
| *a* Colmonell | 150 | 63 | 30th | 34 | 29th | 59·6 | 46·3 | 52·6 | + 0·4 | 74 | 0 | 3 | 0·14 | - 0·83 | * | * | * | 1 | 30 | * | * | * | * | * |
| *p* Dumfries | 160 | 61 | 30th | 34 | 30th | 59·1 | 44·7 | 51·6 | - 0·3 | 67 | 0 | 1 | 0·03 | - 0·71 | *5·3* | — | *45* | 1 | 29 | 52·7 | * | 55·4 | * | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 62 | 27, 30 | 32 | 30th | 59·6 | 42·3 | 50·5 | - 0·6 | 60 | 0 | 4 | 0·37 | - 0·58 | * | * | * | 1 | 29 | * | * | * | * | * |
| *b*, I. OF MAN, | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 61 | 3rd | 40 | 30th | 58·3 | 48·0 | 52·9 | + 0·6 | 76 | 0 | 1 | 0·04 | - 0·90 | 5·3 | + 1·0 | 45 | 0 | 36 | * | * | * | * | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 219 | 65 | 30, 3 | 32 | 30th | 62·1 | 44·1 | 52·7 | + 1·6 | 75 | 0 | 2 | 0·05 | - 0·59 | 6·6 | — | 56 | 1 | 29 | 49·4 | - 2·7 | 52·1 | - 0·2 | Cockle Park. |
| *a* Tynemouth | 96 | 65 | 3rd | 37 | 30th | 59·9 | 43·3 | 51·2 | - 1·0 | 64 | 0 | 2 | 0·08 | - 0·41 | *5·8* | — | *49* | * | * | * | * | * | * | *Tynemouth.* |
| *p* Durham | 336 | 69 | 30th | 31 | 30th | 62·3 | ?43·0 | 52·2 | + 0·5 | 71 | 0 | 2 | 0·04 | - 0·48 | 5·7 | + 2·1 | 48 | * | * | * | * | * | * | Durham. |
| *a*, North *p* Rounton | 249 | 66 | 3rd | 35 | 30th | 61·2 | 42·6 | 51·5 | + 0·2 | 67 | 0 | 2 | 0·05 | - 0·44 | * | * | * | 1 | 30 | 52·4 | * | * | * | Rounton. |
| *a West Witton* | *605* | *64* | *3rd* | *34* | *30th* | *60·7* | *44·3* | *52·1* | — | *71* | *0* | *1* | *0·05* | — | * | * | * | 1 | 29 | 50·6 | * | 52·2 | * | *West Witton.* |
| *p* Scarborough | 100 | 70 | 3rd | 39 | 30th | 63·1 | 47·1 | 54·7 | + 1·4 | 89 | 0 | 1 | 0·01 | - 0·51 | 6·7 | — | 56 | * | * | * | * | 48·6† | * | Scarborough. |
| *p* York | 56 | 67 | 3rd | 34 | 30th | 62·4 | 44·1 | 52·8 | - 0·1 | 76 | 0 | 2 | 0·05 | - 0·42 | 5·7 | + 2·1 | 48 | * | * | 53·4 | - 1·9 | 55·9 | +0·5 | York. |
| | | | | | | | | | | | | | | | *4·5* | — | *38* | 1 | 29 | 49·9 | - 3·8 | 55·4 | +0·7 | *Hull.* |
| *a* Spurn Head | 26 | 63 | 3rd | 44 | 29, 30, 1 | 59·7 | 46·4 | 52·7 | - 1·7 | 75 | 0 | 0 | 0·00 | - 0·40 | *4·4* | — | *37* | * | * | * | * | * | * | *Spurn Head.* |
| *b*, South *a* Lincoln | 58 | 67 | 27th | 36 | 30th | 63·1 | 44·9 | 53·6 | + 0·4 | 81 | 0 | 0 | 0·00 | - 0·43 | * | * | * | * | * | 53·3 | - 2·0 | 56·7 | +1·2 | Lincoln. |
| *a* Fulbeck | 180 | 67 | 27, 3 | 31 | 30th | 62·9 | 42·3 | 52·1 | - 1·2 | 71 | 0 | 1 | 0·01 | - 0·45 | 6·3 | — | 53 | 2 | 29 | 54·9 | - 1·1 | 56·9 | +0·6 | Rauceby. |
| | | | | | | | | | | | | | | | 5·5 | — | 46 | * | * | * | * | * | * | Skegness. |
| | | | | | | | | | | | | | | | *5·5* | — | *46* | 0 | 38 | 55·1 | - 2·1 | 57·6 | - 0·2 | *Lowestoft.* |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Cromer | 198 | 66 | 3rd | 44 | 2, 3 | 62·0 | 47·9 | 54·6 | + 0·6 | 88 | 0 | 1 | 0·01 | — | 5·4 | — | 45 | * | * | * | * | * | * | Cromer. |
| *p* Little Massingham | 280 | 65 | 3rd | 38 | 30th | 61·4 | 42·6 | 51·6 | - 2·0 | 67 | 0 | 1 | 0·02 | - 0·58 | 5·5 | + 1·3 | 46 | 0 | 35 | * | * | * | * | Lit. Massingham. |
| *a*, North *a* Yarmouth | 17 | 65 | 28, 1, 3 | 42 | 1, 3 | 61·9 | 43·6 | 52·3 | - 2·2 | 72 | 0 | 1 | 0·01 | - 0·51 | 5·1 | — | 43 | * | * | 55·4 | - 1·9 | 58·0 | - 0·1 | Yarmouth. |
| *a* Norwich | 93 | 65 | 1, 3 | 42 | 30, 3 | 62·0 | 46·1 | 53·7 | - 1·2 | 82 | 0 | 2 | 0·03 | — | *5·5* | — | *45* | 0 | 36 | 53·8 | * | * | * | *Norwich.* |
| *a* Geldeston | 37 | 68 | 3rd | 41 | 1st | 64·4 | 45·3 | 54·4 | + 0·4 | 87 | 0 | 1 | 0·01 | - 0·52 | 5·9 | + 1·2 | 50 | * | * | * | * | * | * | Geldeston. |
| *p* Cambridge | 41 | 67 | 27th | 30 | 30th | 62·7 | 38·9 | 50·2 | - 3·7 | 70 | 9 | 0 | 0·00 | - 0·46 | 5·9 | + 1·4 | 50 | 2 | 22 | 54·3 | - 2·4 | 57·4 | - 0·2 | Cambridge. |
| *a Felixstowe* | *10* | *67* | *1, 3* | *41* | *30th* | *62·9* | *47·0* | *54·6* | *- 0·7* | *88* | *0* | *1* | *0·01* | — | *6·2* | — | *52* | * | * | * | * | * | * | *Felixstowe.* |
| *b*, South *a* Clacton-on-Sea | 54 | 69 | 3rd | 41 | 30th | 63·4 | 45·7 | 54·1 | - 0·8 | 85 | 0 | 0 | 0·00 | — | 6·1 | — | 51 | 0 | 37 | 56·0 | - 1·4 | 58·2 | +0·1 | Clacton. |
| *a* Rothamsted | 424 | 66 | 3rd | 31 | 30th | 62 0 | 43·3 | 52·2 | - 0·6 | 71 | 0 | 0 | 0·00 | - 0·55 | 5·9 | + 1·5 | 50 | * | * | * | * | * | * | Rothamsted. |
| *a Shoeburyness* | *13* | *67* | *27, 1* | *38* | *30th* | *63·0* | *46·3* | *54·3* | *- 1·7* | *86* | *0* | *0* | *0·00* | *- 0·45* | *5·8* | — | *49* | 0 | 34 | 59·0 | - 0·3 | * | * | *Southend.* |
| *p* Tottenham | 51 | 67 | 27th | 36 | 30th | 62·3 | 45·7 | 53·6 | - 1·3 | 81 | 0 | 0 | 0·00 | — | 5·8 | — | 49 | 1 | 30 | * | * | 59·3 | +0·2 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | *5·6* | — | *47* | 1 | 28 | 51·5 | - 2·5 | 54·6 | +0·3 | *Huddersfield.* |
| *a* Harrogate | 476 | 63 | 3rd | 37 | 29, 30 | 59·7 | 44·4 | 51·7 | + 0·1 | 68 | 0 | 2 | 0·06 | - 0·55 | 6·5 | — | 55 | 2 | 29 | 51·5 | - 2·2 | 53·3 | +0·1 | Harrogate. |
| *a* Bawtry | 65 | ?67 | 27th | ?31 | 30th | ?63·9 | ?42·4 | ?52·6 | - 0·2 | ?74 | 0 | 1 | 0·02 | - 0·39 | 5·8 | + 2·3 | 48 | 3 | 26 | 52·1 | * | 54·1 | * | Worksop. |
| *p Buxton* | *987* | *53* | *27, 30, 3* | *31* | *30th* | *56·6* | *43·0* | *49·5* | *- 0·2* | *53* | *0* | *4* | *0·20* | *- 0·70* | *4·2* | — | *35* | 2 | 27 | 50·4 | - 2·7 | 54·6 | +1·2 | *Buxton.* |
| *a*, East *a* Nottingham | 82 | 67 | 3rd | 31 | 30th | 62·6 | 41·3 | 51·4 | - 1·7 | 69 | 2 | 0 | 0·00 | - 0·48 | 5·6 | — | 47 | 1 | 28 | 51·9 | - 2·7 | 55·9 | +0·2 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 66 | 27th | 39 | 30th | 62 3 | 45·6 | 53·6 | + 0·8 | 81 | 0 | 1 | 0·03 | - 0·47 | 5·2 | — | 44 | 2 | 26 | 51·9 | - 1·2 | 53·2 | +0·4 | Birmingham. |
| *a* Raunds | 203 | 70 | 27th | 28 | 30th | 64·7 | 41·4 | 52·5 | - 0·6 | 76 | 2 | 1 | 0·02 | — | *6·0* | — | *50* | * | * | 55·4 | * | 57·3 | * | *Raunds.* |
| *p* Oxford | 208 | 66 | 3rd | 33 | 30th | 62·9 | 43·9 | 52·9 | - 0·9 | 76 | 0 | 0 | 0·00 | - 0·47 | 6·0 | + 1·7 | 50 | 1 | 26 | * | * | * | * | Oxford. |
| | | | | | | | | | | | | | | | 5·9 | — | 50 | 0 | 31 | 53·4 | - 1·0 | 54·8 | +0·2 | Sheffield. |
| *a* Cheadle | 646 | 62 | 3rd | 37 | 30th | 58·9 | 42·9 | 50·5 | - 1·1 | 60 | 0 | 2 | 0·03 | - 0·61 | * | * | * | 0 | 34 | * | * | * | * | Cheadle. |
| *p* Shrewsbury | 191 | 68 | 27th | 30 | 30th | 63·9 | 43·6 | 53·3 | - 0·5 | 79 | 0 | 1 | 0·01 | — | * | * | * | 1 | 30 | * | * | * | * | Shrewsbury. |
| *b*, West *a* Hereford§ | 291 | 70 | 27th | 31 | 30th | 64·0 | 41·6 | 52·3 | - 1·1 | 74 | 1 | 0 | 0·00 | - 0·48 | *6·9* | — | *58* | 2 | 25 | 54·2 | * | 57·1 | * | *Malvern.§* |
| *a* Cirencester | 446 | 65 | 27th | 34 | 30th | 61·5 | 42·2 | 51·4 | - 1·7 | 66 | 0 | 1 | 0·01 | - 0·57 | 5·8 | + 1·6 | 49 | 2 | 29 | 53·3 | * | 55·4 | * | Cirencester. |
| *a* Bath | 66 | 66 | 27, 2 | 32 | 30, 1 | 63·9 | 39·6 | 51·2 | - 3·7 | 74 | 7 | 0 | 0·00 | - 0·58 | 5·5 | — | 46 | * | * | * | * | * | * | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | * | * | * | 0 | 34 | 55·5 | - 1·2 | 58·6 | +0·6 | Canterbury. |
| *p* Kew | 18 | 65 | 1st | 36 | 30th | 61·9 | 45·3 | 53·2 | - 1·1 | 78 | 0 | 0 | 0·00 | - 0·50 | 5·6 | + 1·5 | 47 | 2 | 26 | 52·7 | - 3·6 | 56·2 | - 0·4 | Kew. |
| *a* Marlborough | 424 | 65 | 27th | 28 | 30th | 61·6 | 37·7 | 49·1 | - 2·9 | 68 | 12 | 0 | 0·00 | - 0·53 | 5·5 | + 1·7 | 46 | 4 | 25 | 53·5 | * | 55·9 | * | Marlborough. |
| *a* Margate | 35 | 67 | 3rd | 46 | 1st | 61·3 | 50·1 | 55·4 | - 0·6 | 94 | 0 | 1 | 0·02 | - 0·48 | 6·6 | + 2·1 | 53 | 0 | 44 | 58·1 | +1·6 | 60·1 | +2·9 | Margate. |
| *a* Wisley, Surrey | 150 | 68 | 1st | 30 | 30th | 63·3 | 42·0 | 52·1 | - 2·5 | 71 | 0 | 0 | 0·00 | — | 6·1 | — | 51 | 3 | 21 | 53·7 | - 2·8 | 56·2 | - 1·4 | Wisley. |
| | | | | | | | | | | | | | | | 7·0 | — | 59 | 0 | 32 | 54·9 | - 2·9 | 58·4 | +0·2 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 68 | 27th | 30 | 30th | 64·1 | 39·9 | 51·4 | - 2·4 | 75 | 6 | 0 | 0·00 | - 0·59 | * | * | * | 2 | 29 | 54·4 | * | * | * | Salisbury. |
| *a* Tunbridge Wells | 418 | 68 | 1st | 32 | 30th | 63·7 | 41·9 | 52·3 | - 1·7 | 73 | 0 | 0 | 0·00 | - 0·63 | 6·4 | + 1·7 | 54 | 2 | 25 | 55·2 | - 1·8 | 57·4 | * | Tunbridge Wells |
| *a* Dungeness | 21 | 66 | 28, 3 | 37 | 30th | 62·1 | 43·1 | 52·1 | - 4·1 | 71 | 0 | 0 | 0·00 | - 0·56 | 6·6 | — | 56 | * | * | * | * | * | * | Littlestone. |
| *p* Hastings | 178 | 65 | 3rd | 43 | 30th | 62·3 | 48·1 | 54·9 | - 1·2 | 90 | 0 | 0 | 0·00 | - 0·70 | *7·1* | *+ 2·1* | *60* | 0 | 37 | 56·4 | * | 59·0 | * | *Hastings.* |
| *p* Southampton | 65 | 67 | 27, 1 | 38 | 30th | 64·4 | 44·3 | 53·9 | - 1·8 | 83 | 0 | 0 | 0·00 | - 0·60 | 6·2 | + 1·5 | 52 | 1 | 30 | * | * | * | * | Southampton. |
| *a* Ventnor | 80 | 66 | 27th | 46 | 30th | 63·4 | 49·4 | 56·1 | - 1·3 | 99 | 0 | 0 | 0·00 | - 0·62 | 6·7 | + 1·6 | 56 | * | * | * | * | * | * | Ventnor. |
| | | | | | | | | | | | | | | | *6·7* | — | *56* | 0 | 33 | 55·5 | - 2·7 | 58·8 | - 0·4 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 7·3 | + 2·3 | 61 | * | * | 57·5 | * | 59·4 | * | Eastbourne. |
| | | | | | | | | | | | | | | | *6·4* | — | *54* | * | * | 54·6 | * | 56·9 | * | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | 6·7 | + 1·8 | 56 | 0 | 38 | * | * | 59·2 | * | Brighton. |
| *a Westminster* | *27* | *68* | *1st* | *37* | *30th* | *62·9* | *45·3* | *53·7* | *- 0·9* | *82* | *0* | *0* | *0·00* | *- 0·48* | *4·5* | *+ 1·2* | *38* | 0 | 33 | * | * | * | * | *Westminster.* |
| *a Greenwich* | *155* | *69* | *3rd* | *34* | *30th* | *63·1* | *45·6* | *53·9* | *- 1·4* | *83* | *0* | *0* | *0·00* | *- 0·48* | *5·1* | *+ 0·6* | *43* | 2 | 24 | * | * | * | * | *Greenwich.* |
| *a Hampstead* | *450* | *67* | *27th* | *40* | *1st* | *61·8* | *44·3* | *52·6* | — | *74* | *0* | *0* | *0·00* | — | *6·7* | — | *48* | 1 | 30 | * | * | * | * | *Hampstead.* |
| *a Camden Square* | *110* | *69* | *1st* | *36* | *30th* | *64·1* | *44·6* | *53·9* | — | *83* | *0* | *0* | *0·00* | — | *4·4* | — | *37* | 0 | 34 | * | * | * | * | *Camden Square.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | *4·6* | — | *39* | 2 | 26 | 50·8 | - 1·8 | 53·7 | +0·4 | *Burnley.* |
| *p* Aspatria | 250 | 60 | 28, 30 | 34 | 29th | 58·3 | 43·9 | 50·8 | - 0·8 | 62 | 0 | 1 | 0·13 | - 0·77 | 5·0 | * | 42 | * | * | * | * | * | * | Hoylake. |
| *p* Newton Rigg | 559 | 63 | 30th | 31 | 30th | 59·4 | 41·0 | 49·8 | - 0·4 | 59 | 3 | 2 | 0·04 | - 0·69 | 5·1 | * | 43 | 1 | 28 | 52·3 | * | 53·9 | * | Aspatria. |
| *p* Stonyhurst | 375 | 60 | 2, 3 | 36 | 30th | 57·6 | 45·1 | 51·1 | - 0·7 | 64 | 0 | 3 | 0·52 | - 0·47 | 6·2 | + 2·5 | 52 | 3 | 21 | 52·2 | - 2·3 | 53·4 | - 0·6 | Newton Rigg. |
| *p* Blackpool | 66 | 61 | 2, 3 | 36 | 30th | 58·6 | 48·3 | 53·2 | - 0·6 | 78 | 0 | 1 | 0·01 | - 0·75 | 5·1 | + 1·3 | 43 | 2 | 24 | * | * | * | * | Stonyhurst. |
| *a Southport* | *37* | *62* | *3rd* | *38* | *29, 30* | *59·0* | *48·6* | *53·6* | *+ 0·1* | *81* | *0* | *2* | *0·03* | *- 0·69* | *5·3* | *+ 1·4* | *45* | 2 | 28 | 54·2 | * | 55·0 | * | *Blackpool.* |
| *a* Liverpool (Bidston) | 188 | 61 | 3rd | 39 | 30th | 58·4 | 47·4 | 52·6 | - 0·9 | 74 | 0 | 2 | 0·08 | - 0·58 | 4·7 | — | 40 | 2 | 28 | 53·6 | - 2·3 | 56·1 | - 1·0 | *Southport.* |
| *a Hawarden Bridge* | *22* | *65* | *3rd* | *35* | *30th* | *61·1* | *47·9* | *54·2* | *- 0·1* | *85* | *0* | *0* | *0·00* | *- 0·51* | *3·7* | — | *31* | 0 | 31 | 52·9 | - 2·4 | 57·6 | +1·0 | *Liverpool.* |
| *p* Manchester (Whit. Pk.) | 125 | 63 | 27, 3 | 36 | 30th | 60·1 | 46·2 | 52·8 | - 0·4 | 76 | 0 | 1 | 0·03 | - 0·64 | *3·3* | *+ 0·2* | *28* | * | * | * | * | * | * | *Manchester (City).* |
| | | | | | | | | | | | | | | | | | | | | | | | | *„ (Whit. Park).* |
| *b* NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 63 | 27, 3 | 40 | 30th | 60·3 | 50·1 | 55·0 | + 0·2 | 91 | 0 | 2 | 0·07 | - 0·56 | 4·3 | + 0·4 | 36 | * | * | * | * | * | * | Llandudno. |
| *a* Holyhead | 15 | 63 | 3rd | 42 | 30th | 60·0 | 50·6 | 55·1 | + 0·7 | 92 | 0 | 0 | 0·00 | - 0·72 | *5·1* | — | *43* | * | * | * | * | * | * | *Holyhead.* |
| *Bettws-y-Coed* | *148* | *63* | *27, 30-2* | *37* | *30th* | *62·0* | *44·1* | *52·6* | *- 1·2* | *74* | *0* | *1* | *0·03* | — | *5·9* | — | *50* | * | * | 52·3 | - 0·8 | 53·0 | - 0·5 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 5·2 | — | 44 | * | * | * | * | * | * | Aberdovey. |

* For notes see also opposite page. † At 3 ft. § The temperature on the grass refers to Hereford.

| Districts and Names of Stations reporting Temperature of Air and Rainfall. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day‡ degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | Stations reporting Sunshine and Temperature on the Grass and in the Ground. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | * | in. | in | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 5·3 | — | 45 | * | * | * | * | * | * | Aberystwyth. |
| *a* Llangammarch Wells | 550 | 66 | 27th | 32 | 30th | 61·1 | 41·1 | 50·6 | − 0·9 | 64 | 3 | 2 | 0·04 | — | 4·2 | — | 35 | 2 | 29 | 51·6 | −2·8 | 53·9 | −0·5 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 61 | 2nd | 47 | 30, 1 | 60·0 | 50·7 | 55·1 | − 0·2 | 92 | 0 | 0 | 0·00 | − 0·74 | 6·2 | + 1·8 | 52 | * | * | * | * | * | * | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 68 | 2nd | 38 | 30th | 62·6 | 45·6 | 53·7 | + 0·1 | 82 | 0 | 0 | 0·00 | − 0·88 | *6·2* | — | *52* | 0 | 37 | 55·4 | +0·2 | 57·4 | +0·7 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 65 | 2nd | 39 | 30th | 62·3 | 46·6 | 54·1 | − 0·5 | 85 | 0 | 0 | 0·00 | − 0·67 | *5·7* | — | *48* | 0 | 36 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 64 | 27, 2 | 42 | 30th | 60·9 | 44·4 | 52·3 | − 1·5 | 72 | 0 | 0 | 0·00 | − 0·67 | * | * | * | * | * | 55·8 | * | 58·0 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 62 | 27th | 37 | 30th | 59·7 | 44·7 | 51·8 | − 1·2 | 69 | 0 | 0 | 0·00 | − 1·17 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *61* | *30th* | *41* | *1st* | *59·4* | *50·6* | *54·8* | *− 1·0* | *90* | *0* | *1* | *0·01* | *− 0·72* | 5·5 | + 0·9 | 46 | 0 | 35 | 57·0 | * | 57·8 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 69 | 27th | 33 | 1st | 64·1 | 40·7 | 51·8 | − 2·2 | 74 | 4 | 1 | 0·02 | − 0·63 | 5·4 | + 1·3 | 45 | 2 | 28 | 55·1 | * | * | * | Cullompton. |
| *a* Portland Bill .. .. | 19 | 63 | 27th | 49 | 30th | 61·1 | 51·6 | 56·1 | − 0·4 | 99 | 0 | 0 | 0·00 | — | * | * | * | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 67 | 27th | 42 | 1st | 62·9 | 48·3 | 55·3 | − 0·2 | 93 | 0 | 0 | 0·00 | − 0·69 | 5·7 | + 1·1 | 48 | * | * | 56·0 | * | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 66 | 27th | 46 | 27, 30-2 | 62·4 | 49·0 | 55·4 | 0·0 | 94 | 0 | 0 | 0·00 | − 0·86 | 5·5 | + 0·8 | 46 | 0 | 39 | 59·7 | +1·9 | 60·3 | * | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Malin Head .. .. | 208 | 61 | 28th | 47 | 30th | 57·9 | 50·4 | 54·0 | + 1·4 | 84 | 0 | 5 | 0·19 | − 0·51 | *3·2* | — | *27* | * | * | * | * | * | * | *Malin Head.* |
| *a*, West .. *a* Blacksod Point .. | 37 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | * |
| *p* Markree Castle .. | 122 | 63 | 27th | 37 | 29th | 60·1 | 47·4 | 53·5 | + 2·2 | 81 | 0 | 5 | 0·22 | − 0·65 | 3·0 | − 0·4 | 25 | 0 | 33 | 56·6 | * | 56·0 | * | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 65 | 3rd | 39 | 27th | 61·1 | 44·3 | 52·3 | + 0·3 | 72 | 0 | 1 | 0·02 | − 0·54 | *4·6* | *+ 0·7* | *39* | * | * | * | * | * | * | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 62 | 27, 1, 3 | 40 | 29th | 60·1 | 46·6 | 53·0 | + 1·4 | 77 | 0 | 3 | 0·06 | − 0·55 | 4·1 | + 0·5 | 35 | 0 | 33 | 54·8 | −0·9 | 55·5 | −0·1 | Armagh. |
| *a* Donaghadee .. .. | 101 | 64 | 30th | 43 | 30th | 60·3 | 47·7 | 53·7 | + 0·9 | 82 | 0 | 1 | 0·01 | − 0·61 | * | * | * | * | * | * | * | * | * | * |
| | | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | *Trinity Coll.* |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 5·1 | + 0·7 | 43 | 1 | 30 | * | * | * | * | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 64 | 3rd | 41 | 30th | 61·0 | 48·7 | 54·6 | + 0·6 | 88 | 0 | 0 | 0·00 | − 0·51 | * | * | * | 0 | 39 | * | * | * | * | Dublin City. |
| *a*, East .. *a* Kilkenny .. .. | 212 | 66 | 3rd | 36 | 30th | 62·0 | 44·4 | 52·8 | + 0·5 | 76 | 0 | 0 | 0·00 | − 0·58 | * | * | * | * | * | * | * | * | * | * |
| *a* Waterford .. .. | 20 | 65 | 3rd | 39 | 30, 1 | 61·7 | 45·4 | 53·2 | − 0·2 | 78 | 0 | 0 | 0·00 | − 0·74 | * | * | * | * | * | * | * | * | * | * |
| *a Seskin, Carrick-on-Suir* | *541* | *65* | *3rd* | *43* | *27, 30* | *60·7* | *46·4* | *53·2* | — | *78* | *0* | *1* | *0·02* | — | *5·9* | — | *50* | 0 | 33 | * | * | * | * | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 65 | 3rd | 39 | 27th | 61·1 | 44·3 | 52·3 | + 0·3 | 72 | 0 | 1 | 0·02 | − 0·54 | 4·6 | + 0·7 | 39 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes .. .. | 50 | 64 | 30th | 45 | 27th | 60·1 | 50·6 | 55·1 | + 1·6 | 92 | 0 | 3 | 0·10 | − 0·63 | * | * | * | * | * | * | * | * | * | * |
| *a* Cahir .. .. .. | 199 | 65 | 3rd | 36 | 27th | 61·3 | 46·4 | 53·5 | + 0·2 | 81 | 0 | 1 | 0·01 | — | * | * | * | * | * | * | * | * | * | * |
| *b*, West .. *a* Killarney .. .. | 174 | 68 | 30th | 40 | 27th | 63·3 | 48·1 | 55·3 | + 1·8 | 93 | 0 | 1 | 0·02 | − 0·94 | * | * | * | * | * | * | * | * | * | * |
| *a* Valencia .. .. | 30 | 62 | 30th | 42 | 27, 28 | 60·0 | 48·9 | 54·2 | − 0·4 | 85 | 0 | 2 | 0·05 | − 0·99 | 2·8 | − 1·2 | 24 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. .. | 32 | 65 | 3rd | 46 | 27th | 60·7 | 49·9 | 55·0 | + 0·5 | 91 | 0 | 2 | 0·02 | − 0·73 | 3·8 | — | 32 | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 64 | 27th | 52 | 28, 30-2 | 61·7 | 52·9 | 57·1 | 0·0 | 106 | 0 | 0 | 0·00 | − 0·66 | 5·1 | + 0·1 | 43 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 69 | 27th | 44 | 1st | 63·4 | 48·9 | 55·8 | − 2·7 | 97 | 0 | 0 | 0·00 | − 0·74 | 5·8 | + 0·4 | 49 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 69 | 27th | 49 | 1st | 65·0 | 51·6 | 53·0 | + 0·2 | 112 | 0 | 0 | 0·00 | − 0·80 | 6·3 | + 1·2 | 53 | 0 | 41 | 59·3 | −0·1 | 60·6 | +0·2 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 6·8 hrs. 57 %; Ramsgate, hrs. %; Rhyl, 4·9 hrs. 41 %; Salcombe, 5·8 hrs. 49 %; Tenby, 6·0 hrs. (+1·4) 50 %; Torquay, 5·5 hrs. (+0·7) 46 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Oct. 3rd.

Taken daily at or about sunrise and at 4 p.m.

| District and Station. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | 49 | 48 | 48·5 | −3·5 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 59 | 56 | 57·0 | +3·4 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 52 | 48 | 50·6 | −1·6 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 60 | 54 | 56·7 | −3·0 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 60 | 59 | 59·3 | −0·5 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 57 | 56 | 56·2 | +0·5 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 58 | 57 | 57·5 | — |
| Plymouth‡ .. .. | 59 | 58 | 58·9 | +0·8 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | — | — | — | — |
| Seafield .. .. | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, October 3rd.

| District and Station | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| 1. SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | — | — | 35§ | 126§ | NW.by W. 9 | 28th 7h. | 22 28th 4.40 |
| Aberdeen .. .. | 105 | — | — | 27, 28 | 17 | 53 | 98 | SW.by W. 14 | 27th 23h. | 24 28th 8. 0 |
| Rosyth .. .. | 73 | 27th | 3 | 27, 28, 1, 3 | 27 | 69 | 69 | W. by S. 19 | 27th 20h. | 27 27th 22. 5 |
| 6. SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 27, 28 | 14 | 56 | 98 | W. by N. 13 | 28th 10h. | 21 28th 4.20 |
| Paisley (Coats Obs.) | 80 | — | — | 27, 3 | 5 | 44 | 119 | WNW. 13 | 27th 23h. | 26 27th 22.35 |
| 2. ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | 28th | 2 | 44 | 122 | W. by S. 12 | 28th 2h. | 23 28th 1.35 |
| South Shields .. | 61 | 28th | 2 | 27, 28, 1, 3 | 34 | 63 | 69 | WNW. 19 | 28th 2h. | 28 28th 1.55 |
| Spurn Head .. | 40 | 28th | 1 | 28th | 11 | 90 | 66 | WNW. 17 | 28th 12h. | 23 28th 12.25 |
| 3. ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 28th | 1§ | 49§ | 110§ | — 11 | 28th 14h. | 18 28th 14.10 |
| Shoeburyness .. | 90 | — | — | — | — | 24 | 144 | WNW. 10 | 28th 11h. | 17 28th 10.55 |
| 4. MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| 5. ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | — | — | 44 | 124 | — 10 | 28th 14h. | 16 28th 13.45 |
| Warlingham .. | 33 | — | — | — | — | — | 168 | — 5 | 3rd 11h. | 12 28th 12.35 |
| Brighton .. .. | 53 | — | — | — | — | 17 | 151 | — 9 | 28th 12h. | 15 28th 12.25 |
| Kew .. .. .. | 40 | — | — | — | — | 5 | 163 | NW.by W. 6 | 3rd 10h. | 13 28th 21.20 |
| South Kensington | 92 | — | — | — | — | — | 168 | W. 5 | 28th 12h. | 10 28th 21.10 |
| 7. ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | 28th | 1 | 26 | 141 | WNW. 11 | 28th 11h. | 17 28th 9.55 |
| Southport .. .. | 62 | — | — | 27, 28, 1, 3 | 32 | 75 | 61 | W. by N. 17 | 28th 14h. | 23 28th 13.35 |
| Holyhead .. .. | 40 | — | — | 27, 28 | 12 | 99 | 57 | W. 14 | 27th 23h. | 18 27th 24.15 |
| 8. ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | — | — | — | — | 24 | 144 | NNW. 8 | 28th 14h. | 14 28th 14.30 |
| Plymouth .. .. | 88 | — | — | — | — | 6 | 162 | — 8 | 28th 12h. | 15 28th 11.35 |
| 10. IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | — | — | 67 | 101 | — 10 | 28th 1h. | 13 2nd 23.25 |
| Weaver Pt. .. | 30 | — | — | — | — | 16 | 152 | — 8 | 28th 19h. | 12 28th 19.25 |
| 11. ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | — | — | — | — | — — | — — | — — — |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**THIRTY-NINTH WEEK**—September 27th to October 3rd, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest. | Lowest. | Means of | | | | Accumulated Number of Day-Degrees. | | | | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | | | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | | | | | | | | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| **0.** SCOTLAND, NORTH ... | 64 | 33 | 55·3 | 42·3 | 48·5 | − 1·2 | 46 | − 10 | 0 | − 2 | 6 | + 1 | 0·85 | −0·41 | 3·2 | +0·2 | 27 | 1019 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 73 | 26 | 59·1 | 42·0 | 50·2 | + 0·1 | 57 | − 2 | 0 | − 2 | 3 | − 2 | 0·22 | −0·45 | 5·4 | +2·0 | 45 | 1021 |
| **2.** ENGLAND, N.E. ... ... | 70 | 31 | 61·9 | 44·2 | 52·6 | + 0·3 | 74 | + 1 | 0 | 0 | 1 | − 3 | 0·03 | −0·37 | 6·1 | +2·2 | 51 | 1023 |
| **3.** ENGLAND, EAST ... | 69 | 30 | 62·5 | 44·3 | 53·0 | − 0·6 | 77 | − 5 | 0 | − 1 | 1 | − 3 | 0·01 | −0·52 | 5·7 | +1·3 | 48 | 1024 |
| **4** MIDLAND COUNTIES ... | 70 | 28 | 62·6 | 42·6 | 52·1 | − 0·3 | 71 | − 4 | 0 | − 1 | 1 | − 3 | 0·02 | −0·52 | 5·8 | +1·9 | 49 | 1026 |
| **5.** ENGLAND, S.E. ... ... | 68 | 28 | 62·8 | 44·2 | 53·1 | − 1·9 | 78 | − 14 | 0 | 0 | 0 | − 4 | 0·00 | −0·62 | 6·4 | +1·9 | 54 | 1026 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 63 | 32 | 58·0 | 44·9 | 51·1 | − 0·4 | 64 | − 3 | 0 | − 1 | 3 | − 2 | 0·31 | −0·83 | 4·2 | +0·7 | 35 | 1023 |
| **7.** ENGLAND, N.W. ... ... | 63 | 31 | 59·1 | 46·6 | 52·6 | − 0·3 | 74 | − 3 | 0 | 0 | 2 | − 2 | 0·11 | −0·71 | 5·2 | +1·5 | 44 | 1026 |
| **8.** ENGLAND, S.W. ... ... | 69 | 32 | 61·7 | 46·3 | 53·6 | − 0·7 | 81 | − 5 | 0 | 0 | 1 | − 3 | 0·01 | −0·88 | 5·4 | +1·2 | 45 | 1028 |
| **9.** IRELAND, NORTH ... | 65 | 37 | 59·9 | 47·3 | 53·3 | + 1·2 | 79 | + 8 | 0 | 0 | 3 | − 2 | 0·10 | −0·77 | 3·6 | +0·2 | 30 | 1025 |
| **10.** IRELAND, SOUTH ... | 68 | 36 | 61·2 | 47·4 | 54·0 | + 0·5 | 84 | + 4 | 0 | 0 | 1 | − 4 | 0·02 | −0·69 | 4·1 | 0·0 | 34 | 1029 |
| **11.** ENGLISH CHANNEL ... | 69 | 44 | 63·4 | 51·1 | 57·0 | − 0·5 | 105 | − 3 | 0 | 0 | 0 | − 5 | 0·00 | −0·77 | 5·7 | +0·6 | 48 | 1028 |

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 5 Weeks, August 30th to October 3rd, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 75 | 32 | * | * | * | * | 352 | − 4 | 0 | − 3 | 23 | − 1 | 3·72 | −1·61 | 3·5 | +0·1 | 27 | 1015 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 76 | 22 | * | * | * | * | 367 | − 17 | 0 | − 4 | 13 | − 7 | 1·32 | −1·56 | 4·4 | +0·3 | 34 | 1016 |
| **2.** ENGLAND, N.E. ... ... | 82 | 31 | * | * | * | * | 473 | + 24 | 0 | 0 | 11 | − 6 | 1·31 | −1·14 | 5·8 | +1·3 | 45 | 1018 |
| **3.** ENGLAND, EAST ... | 82 | 30 | * | * | * | * | 524 | + 17 | 0 | − 1 | 11 | − 5 | 1·07 | −1·29 | 6·3 | +1·2 | 50 | 1019 |
| **4.** MIDLAND COUNTIES ... | 82 | 28 | * | * | * | * | 499 | + 32 | 11 | + 9 | 12 | − 4 | 1·12 | −1·41 | 5·8 | +1·3 | 46 | 1020 |
| **5.** ENGLAND, S.E. ... ... | 82 | 28 | * | * | * | * | 544 | − 4 | 1 | + 1 | 9 | − 7 | 1·06 | −1·70 | 7·1 | +1·9 | 56 | 1020 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 77 | 28 | * | * | * | * | 425 | + 13 | 0 | − 1 | 14 | − 6 | 2·51 | −2·42 | 4·7 | +0·4 | 36 | 1018 |
| **7.** ENGLAND, N.W. ... ... | 77 | 29 | * | * | * | * | 484 | + 18 | 0 | 0 | 16 | − 3 | 3·16 | −0·48 | 5·5 | +1·2 | 43 | 1019 |
| **8.** ENGLAND, S.W. ... ... | 80 | 29 | * | * | * | * | 528 | + 20 | 0 | 0 | 13 | − 5 | 2·42 | −1·33 | 6·0 | +1·1 | 47 | 1020 |
| **9.** IRELAND, NORTH ... | 75 | 30 | * | * | * | * | 456 | + 25 | 0 | 0 | 16 | − 6 | 1·93 | −1·97 | 4·0 | +0·2 | 31 | 1017 |
| **10.** IRELAND, SOUTH ... | 78 | 32 | * | * | * | * | 521 | + 47 | 0 | 0 | 14 | − 5 | 3·07 | −0·48 | 4·2 | −0·3 | 33 | 1020 |
| **11.** ENGLISH CHANNEL ... | 82 | 42 | * | * | * | * | 626 | + 19 | 0 | 0 | 15 | − 5 | 3·43 | +0·38 | 6·1 | 0·0 | 47 | 1020 |

THE YEAR.—Aggregates, &c., for the Period of 39 Weeks, January 4th, 1914, to October 3rd, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 1998 | +170 | 391 | −169 | 177 | − 2 | 33·07 | −2·56 | 3·6 | 0·0 | 27 | 1010 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 2261 | +197 | 492 | −132 | 137 | −11 | 19·98 | −1·76 | 4·5 | +0·2 | 33 | 1011 |
| **2.** ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 2694 | +398 | 299 | −176 | 123 | −10 | 15·85 | −1·42 | 5·0 | +0·4 | 38 | 1013 |
| **3.** ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 2985 | +333 | 299 | −223 | 118 | −10 | 14·74 | −1·99 | 5·5 | +0·5 | 42 | 1015 |
| **4.** MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 2885 | +289 | 378 | −157 | 125 | − 2 | 17·06 | −1·59 | 4·8 | +0·4 | 37 | 1015 |
| **5.** ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 3063 | +219 | 241 | −140 | 116 | − 6 | 18·38 | +0·17 | 5·8 | +0·7 | 45 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 2408 | +187 | 317 | −109 | 154 | − 1 | 29·44 | −3·20 | 4·4 | 0·0 | 33 | 1011 |
| **7.** ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 2700 | +272 | 227 | −159 | 140 | − 2 | 23·32 | −0·64 | 4·9 | +0·5 | 37 | 1014 |
| **8.** ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 2903 | +216 | 192 | −109 | 145 | + 6 | 29·32 | +3·81 | 5·2 | +0·2 | 40 | 1015 |
| **9.** IRELAND, NORTH ... | 80 | 25 | * | * | * | * | 2497 | +175 | 246 | − 99 | 168 | − 1 | 25·96 | −0·85 | 4·1 | +0·1 | 31 | 1012 |
| **10.** IRELAND, SOUTH ... | 81 | 24 | * | * | * | * | 2876 | +222 | 174 | − 85 | 165 | +15 | 29·20 | +1·36 | 4·5 | 0·0 | 34 | 1014 |
| **11.** ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 3272 | +210 | 72 | − 37 | 140 | − 8 | 23·68 | +2·61 | 5·7 | −0·3 | 44 | 1016 |

M.O., October, 7 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 = 29·531 mb mercury-inches).

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 157

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 40. FORTIETH WEEK, SUNDAY, OCTOBER 4TH, TO SATURDAY, OCTOBER 10TH, 1914. *Price 6d.* *Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

The pressure distribution over the Kingdom generally was anticyclonic. The southern and south-eastern districts of England were sometimes within the region of maximum barometric pressure and experienced very light and variable breezes, but the main wind current came from between West and North-West. Distant depressions caused a little rain in the extreme north and north-west of the Kingdom, and local irregularities in pressure were accompanied by slight rain late in the week at several stations on the east coast of England, but over a large portion of the country the drought continued unbroken. Thunder was reported at Oxford on the 5th. Over the country generally there was a good deal of cloud, with occasional mist, but in the south of England there was a slight excess of bright sunshine, and in the English Channel district a large excess. Temperature exceeded the normal by nearly 4° in Ireland and Scotland, and was a little above it in most parts of England. Lunar halos were noticed early in the week in the southern counties.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Very unusual | Unusual | Unusual | Moderate | Moderate | Moderate | Unusual | Unusual | Moderate | Unusual | Unusual | Moderate |
| | Rainfall ... | Very light | Very light | Very light | Very light | Nought | Nought | Very light | Very light | Very light | Very light | Very light | Nought |
| | Sunshine ... | Very scanty | Scanty | Scanty | Scanty | Scanty | Moderate | Scanty | Moderate | Moderate | Very scanty | Scanty | Abundant |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 6 weeks from Aug. 30th, 1914. | Warmth ... | 3*2 | 3*1 | 3*1 | 2*1 | 2*1 | 2*2 | 3*2 | 3*2 | 2*1 | 4*1 | 3*1 | 2*1 |
| | Rainfall ... | 1*4 | 1*5 | 1*4 | 0*4 | 0*4 | 0*4 | 1*4 | 2*4 | 2*4 | 0*4 | 2*4 | 2*3 |
| | Sunshine ... | 2*3 | 2*2 | 2*1 | 2*1 | 3*1 | 4*0 | 1*1 | 3*0 | 3*2 | 1*2 | 1*2 | 2*2 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6*0 | 8*0 | 8*0 | 10*0 | 11*0 | 11*0 | 6*0 | 9*0 | 9*0 | 8*0 | 9*2 | 11*0 |
| | Rainfall ... | 4*4 | 2*4 | 4*6 | 5*6 | 5*4 | 5*5 | 2*4 | 4*6 | 3*5 | 3*2 | 7*1 | 4*3 |
| | Sunshine ... | 5*4 | 5*6 | 6*3 | 4*1 | 4*3 | 5*2 | 1*4 | 6*3 | 4*6 | 2*5 | 2*6 | 2*4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6*3 | 7*2 | 7*2 | 9*3 | 7*4 | 7*4 | 4*2 | 8*3 | 7*4 | 7*2 | 7*4 | 6*4 |
| | Rainfall ... | 5*2 | 5*4 | 1*7 | 3*9 | 2*8 | 3*5 | 5*4 | 5*6 | 3*5 | 5*5 | 4*6 | 5*7 |
| | Sunshine ... | 3*1 | 2*2 | 1*2 | 3*4 | 2*6 | 4*4 | 2*6 | 2*0 | 3*5 | 1*9 | 1*7 | 2*5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3*1 | 6*0 | 8*1 | 8*2 | 6*1 | 7*1 | 5*3 | 5*1 | 8*1 | 6*3 | 6*2 | 9*1 |
| | Rainfall ... | 5*2 | 5*5 | 4*6 | 4*5 | 4*5 | 5*4 | 6*4 | 4*5 | 7*6 | 5*5 | 4*6 | 6*5 |
| | Sunshine ... | 4*4 | 4*2 | 3*2 | 6*5 | 4*5 | 4*1 | 4*2 | 4*2 | 4*2 | 4*4 | 4*4 | 4*4 |
| SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. | Warmth ... | 5*0 | 6*3 | 6*1 | 6*1 | 5*2 | 5*2 | 7*2 | 5*1 | 5*2 | 6*1 | 4*2 | 5*3 |
| | Rainfall ... | 2*4 | 2*4 | 3*5 | 3*5 | 3*4 | 2*4 | 2*7 | 4*3 | 5*3 | 2*7 | 4*2 | 7*3 |
| | Sunshine ... | 6*2 | 4*3 | 4*5 | 5*3 | 6*5 | 5*2 | 3*4 | 6*4 | 3*5 | 5*3 | 4*4 | 1*6 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(2861—19.) Wt. 229—611. 450. 10/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | - | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | | | | | | | | | | | | | | | | | | | | | | *Baltasound.* |
| *a* Lerwick | 54 | 54 | 7th | 44 | 5th | 52·1 | 46·9 | 49·4 | + 1·7 | 53 | 0 | 4 | 0·34 | — | 1·5 | - 1·6 | 14 | * | * | * | * | * | * | Deerness. |
| *a*, Islands *a* Stornoway | 51 | 59 | 8th | 48 | 4,5 | 56·1 | 49·9 | 52·9 | + 4·6 | 76 | 0 | 6 | 0·56 | - 0·63 | 0·7 | - 2·5 | 6 | * | * | * | * | * | * | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *58* | *5th* | *49* | *4th* | *55·6* | *51·6* | *53·5* | + *3·4* | *81* | *0* | *7* | *0·48* | — | *0·5* | — | *4* | * | * | * | * | * | * | *Castlebay.* |
| *a* Wick | 81 | 57 | 8th | 42 | 5th | 55·0 | 46·0 | 50·4 | + 1·5 | 59 | 0 | 4 | 0·26 | - 0·39 | * | * | * | * | * | * | * | * | * | |
| *b*, Mainland. *p* Strathpeffer | 200 | 63 | 7th | 40 | 8th | 59·1 | 46·0 | 52·4 | + 3·8 | 73 | 0 | 4 | 0·11 | - 0·50 | 0·5 | - 2·8 | 4 | * | * | * | * | * | * | Strathpeffer. |
| *p* Glencarron | 500 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | |
| *p* Fort Augustus | 68 | 63 | 6th | 47 | 6,10 | 59·3 | 50·0 | 54·5 | + 5·2 | 88 | 0 | 3 | 0·15 | - 0·79 | 1·6 | - 0·8 | 14 | * | * | * | * | * | * | Fort Augustus. |
| *p* Fort William | 175 | 62 | 6th | 48 | 9,10 | 58·3 | 50·0 | 54·0 | + 3·7 | 84 | 0 | 4 | 0·41 | - 1·36 | * | * | * | * | * | * | * | * | * | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle | 101 | 68 | 9th | 42 | 9,10 | 61·1 | 46·9 | 53·8 | + 3·9 | 83 | 0 | 4 | 0·31 | - 0·39 | 2·6 | — | 23 | 1 | 30 | 52·6 | +0·3 | 53·0 | +0·2 | Crathes S. |
| *a* Nairn | 82 | 62 | 7,8 | 44 | 10th | 59·9 | 47·9 | 53·7 | + 4·8 | 82 | 0 | 4 | 0·36 | - 0·16 | *2·1* | — | *19* | * | * | * | * | * | * | *Gordon Castle.* |
| *a* Aberdeen | 46 | 64 | 5th | 37 | 10th | 58·6 | 47·1 | 52·7 | + 2·8 | 75 | 0 | 2 | 0·05 | - 0·57 | 1·9 | - 1·7 | 17 | * | * | * | * | * | * | Nairn. |
| *a* Balmoral | 930 | 67 | 8,10 | 31 | 10th | 64·7 | 42·7 | 53·4 | + 7·2 | 80 | 0 | 1 | 0·04 | - 0·71 | * | * | * | 1 | 27 | * | * | 51·8 | +0·2 | Aberdeen. |
| *p* Crieff | 432 | 63 | 5,6 | 42 | 10th | 59·9 | 47·1 | 53·2 | + 3·4 | 79 | 0 | 2 | 0·05 | - 0·76 | 2·3 | — | 20 | * | * | * | * | * | * | Balmoral. |
| *a* Leith | 18 | 63 | 5th | 39 | 10th | 59·6 | 48·3 | 53·8 | + 2·8 | 83 | 0 | 2 | 0·09 | - 0·36 | * | * | * | * | * | * | * | * | * | Balruddery. |
| *a* West Linton | 770 | 57 | 5,6,8,9 | 34 | 8,10 | 56·4 | 39·7 | 47·8 | - 0·3 | 50 | 6 | 3 | 0·06 | — | *1·2* | — | *11* | 1 | 30 | * | * | * | * | *West Linton.* |
| *p* Marchmont | 498 | 62 | 8th | 38 | 10th | 58·6 | 44·6 | 51·4 | + 1·9 | 66 | 0 | 2 | 0·10 | - 0·63 | 1·8 | - 1·5 | 16 | 0 | 35 | * | * | * | * | Marchmont. |
| *a Edinburgh* | *441* | *60* | *5th* | *44* | *10th* | *57·9* | *48·4* | *53·0* | — | *77* | *0* | *2* | *0·11* | — | 2·2 | — | 20 | 0 | 32 | * | * | * | * | Edinburgh. |
| **6.** *a*, SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 61 | 6th | 46 | 10th | 57·1 | 50·3 | 53·6 | + 3·3 | 81 | 0 | 5 | 0·61 | - 0·53 | * | * | * | * | * | * | * | * | * | |
| *p* Glasgow Observatory | 180 | 60 | 5th | 47 | 10th | 57·9 | 49·4 | 53·5 | + 3·7 | 81 | 0 | 3 | 0·06 | - 0·71 | 1·5 | - 1·2 | 13 | 0 | 40 | * | * | * | * | Glasgow. |
| *p* Rothesay | 90 | 62 | 9th | 45 | 10th | 59·0 | 49·7 | 54·2 | + 3·5 | 85 | 0 | 4 | 0·25 | - 0·75 | *1·8* | — | *16* | 0 | 44 | 53·3 | * | 53·0 | +0·3 | *Rothesay.* |
| *a* Kilmarnock | 90 | 64 | 6th | 42 | 10th | 60·4 | 47·6 | 53·8 | + 3·6 | 83 | 0 | 3 | 0·26 | — | *2·9* | — | *26* | * | * | * | * | * | * | *Kilmarnock.* |
| *a* Colmonell | 150 | 65 | 8th | 39 | 10th | 60·7 | 48·3 | 54·3 | + 3·4 | 86 | 0 | 1 | 0·04 | - 0·94 | * | * | * | 0 | 35 | * | * | * | * | |
| *p* Dumfries | 160 | 62 | 6th | 36 | 10th | 59·9 | 45·6 | 52·5 | + 1·9 | 74 | 0 | 2 | 0·09 | - 0·69 | *2·3* | — | *20* | 0 | 34 | 52·8 | * | 55·0 | * | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 64 | 6th | 37 | 10th | 60·9 | 43·4 | 51·9 | + 2·0 | 69 | 0 | 1 | 0·05 | - 0·95 | * | * | * | * | * | * | * | * | * | |
| *b*, I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 61 | 6th | 45 | 10th | 58·3 | 49·6 | 53·8 | + 2·7 | 83 | 0 | 0 | 0·00 | - 0·98 | 3·5 | - 0·4 | 31 | 0 | 40 | * | * | * | * | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 219 | 63 | 8th | 41 | 8th | 57·9 | 47·6 | 52·6 | + 2·8 | 74 | 0 | 3 | 0·06 | - 0·65 | 1·7 | — | 15 | 0 | 31 | 50·6 | -1·0 | 51·9 | 0·0 | Cockle Park. |
| *a* Tynemouth | 96 | 60 | 4,5,8 | 42 | 8,9 | 56·9 | 47·0 | 51·8 | + 1·1 | 69 | 0 | 1 | 0·04 | - 0·56 | *1·5* | — | *13* | * | * | * | * | * | * | *Tynemouth.* |
| *p* Durham | 336 | 63 | 4,9 | 38 | 8th | 59·4 | 44·1 | 51·5 | + 1·5 | 67 | 0 | 2 | 0·04 | - 0·56 | 1·6 | - 1·8 | 14 | 0 | 33 | * | * | * | * | Durham. |
| *a*, North *p* Rounton | 249 | 60 | 5,8 | 40 | 8th | 58·1 | 44·0 | 50·8 | + 1·0 | 62 | 0 | 3 | 0·10 | - 0·45 | * | * | * | 0 | 35 | 52·5 | * | * | * | Rounton. |
| *a West Witton* | *605* | *62* | *9th* | *38* | *8th* | *57·4* | *46·4* | *51·7* | — | *68* | *0* | *2* | *0·02* | — | * | * | * | 0 | 32 | 50·9 | * | 51·6 | * | *West Witton.* |
| *p* Scarborough | 100 | 65 | 8th | 44 | 8th | 58·7 | 47·7 | 53·0 | + 1·1 | 77 | 0 | 3 | 0·05 | - 0·55 | 2·5 | - 0·8 | 22 | * | * | * | * | 56·9† | * | Scarborough. |
| *p* York | 56 | 62 | 8th | 39 | 8th | 59·3 | 45·0 | 51·9 | + 0·5 | 69 | 0 | 0 | 0·00 | - 0·52 | 2·9 | - 0·4 | 25 | * | * | 53·5 | -1·2 | 55·0 | 0·0 | York. |
| | | | | | | | | | | | | | | | *1·6* | — | *14* | 0 | 31 | 50·1 | -2·5 | 54·6 | +0·3 | *Hull.* |
| *a* Spurn Head | 26 | 62 | 8th | 45 | 8,9 | 58·3 | 47·9 | 53·0 | + 0·3 | 77 | 0 | 3 | 0·24 | - 0·20 | *2·1* | — | *18* | * | * | * | * | * | * | *Spurn Head.* |
| *b*, South *a* Lincoln | 58 | 63 | 4,9 | 41 | 8th | 60·4 | 46·7 | 53·4 | + 1·9 | 80 | 0 | 1 | 0·01 | - 0·49 | * | * | * | * | * | 53·0 | -1·5 | 55·8 | +0·7 | Lincoln. |
| *a* Fulbeck | 180 | 69 | 7th | 38 | 8th | 61·9 | 44·7 | 53·1 | + 1·4 | 78 | 0 | 2 | 0·03 | - 0·46 | 2·4 | — | 21 | 1 | 30 | 54·5 | -0·1 | 56·1 | +0·4 | Rauceby. |
| | | | | | | | | | | | | | | | 3·7 | — | 33 | * | * | * | * | * | * | Skegness. |
| | | | | | | | | | | | | | | | *2·7* | — | *24* | 0 | 35 | 53·5 | -3·0 | 56·6 | -0·7 | *Lowestoft.* |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | 4·1 | — | 36 | * | * | * | * | * | * | Cromer. |
| *p* Cromer | 196 | 61 | 8th | 45 | 7-9 | 57·9 | 48·0 | 52·8 | + 0·3 | 76 | 0 | 3 | 0·08 | — | 3·2 | - 0·6 | 28 | 0 | 33 | * | * | * | * | Lit. Massingham. |
| *p* Little Massingham | 280 | 60 | 4,8,9 | 41 | 7,8 | 58·4 | 44·1 | 51·0 | - 1·1 | 63 | 0 | 3 | 0·04 | - 0·60 | 2·8 | — | 25 | * | * | 53·9 | -2·7 | 57·0 | -0·8 | Yarmouth. |
| *a*, North *a* Yarmouth | 17 | 61 | 8,10 | 39 | 8th | 58·9 | 41·3 | 49·8 | - 2·9 | 58 | 2 | 4 | 0·15 | - 0·41 | *2·8* | — | *25* | 0 | 31 | 52·1 | * | * | * | *Norwich.* |
| *a* Norwich | 93 | 61 | 9th | 36 | 8th | 58·8 | 44·9 | 51·7 | - 1·6 | 68 | 0 | 3 | 0·07 | — | 2·5 | - 1·8 | 22 | * | * | * | * | * | * | Geldeston. |
| *a* Geldeston | 37 | 63 | 8,9 | 34 | 8th | 60·6 | 44·0 | 52·1 | - 0·2 | 71 | 0 | 5 | 0·11 | - 0·48 | | | | | | | | | | |
| *p* Cambridge | 41 | 63 | 8th | 35 | 8th | 60·3 | 44·0 | 51·9 | - 0·2 | 69 | 0 | 0 | 0·00 | - 0·49 | 1·7 | - 2·4 | 15 | 3 | 25 | 53·8 | -2·0 | 56·5 | -0·6 | Cambridge. |
| *a Felixstowe* | *10* | *62* | *4,9* | *40* | *8th* | *59·0* | *46·4* | *52·5* | - *1·0* | *74* | *0* | *2* | *0·12* | — | *2·8* | — | *25* | * | * | * | * | * | * | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 62 | 4th | 43 | 5th | 59·3 | 45·7 | 52·3 | - 1·1 | 72 | 0 | 1 | 0·02 | — | 2·7 | — | 24 | 0 | 36 | 54·5 | -2·4 | 57·4 | -0·2 | Clacton. |
| *b*, South *a* Rothamsted | 424 | 62 | 9th | 32 | 8th | 58·9 | 43·7 | 51·1 | + 0·1 | 64 | 0 | 0 | 0·00 | - 0·60 | 2·7 | - 1·4 | 24 | * | * | * | * | * | * | Rothamsted. |
| *a Shoeburyness* | *13* | *62* | *9th* | *37* | *8th* | *59·6* | *45·9* | *52·6* | - *1·6* | *74* | *0* | *0* | *0·00* | - *0·46* | *3·6* | — | *32* | 0 | 34 | 57·0 | -1·5 | * | * | *Southend.* |
| *p* Tottenham | 51 | 62 | 5,9 | 38 | 8th | 60·6 | 46·1 | 53·1 | - 0·3 | 78 | 0 | 0 | 0·00 | — | 2·0 | — | 18 | 1 | 30 | * | * | 58·5 | +1·0 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | *2·5* | — | *22* | 0 | 34 | 52·1 | -1·1 | 53·8 | -0·1 | *Huddersfield.* |
| *a* Harrogate | 476 | 60 | 8th | 40 | 8th | 56·7 | 46·0 | 51·2 | + 0·9 | 64 | 0 | 1 | 0·03 | - 0·63 | 2·2 | — | 19 | 0 | 33 | 51·9 | -0·8 | 53·0 | +0·2 | Harrogate. |
| *a* Bawtry | 65 | 64 | 8th | 36 | 8th | 59·3 | 45·9 | 52·4 | + 1·2 | 73 | 0 | 0 | 0·00 | - 0·48 | 2·2 | - 1·0 | 19 | 1 | 29 | 52·5 | * | 53·7 | * | Worksop. |
| *p Buxton* | *987* | *59* | *4th* | *36* | *8th* | *55·1* | *43·7* | *49·2* | + *0·9* | *50* | *0* | *2* | *0·04* | - *0·93* | *1·9* | — | *17* | 0 | 32 | 50·5 | -2·4 | 54·0 | +1·0 | *Buxton.* |
| *a*, East *a* Nottingham | 82 | 63 | 8th | 34 | 8th | 59·8 | 43·1 | 51·3 | - 0·5 | 65 | 0 | 1 | 0·01 | - 0·51 | 1·8 | — | 16 | 0 | 32 | 51·8 | -2·5 | 55·3 | -0·2 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 65 | 8th | 43 | 8th | 58·7 | 47·4 | 52·9 | + 1·9 | 76 | 0 | 0 | 0·00 | - 0·55 | 1·1 | — | 10 | 0 | 36 | 52·0 | -0·7 | 53·0 | +0·2 | Birmingham. |
| *a* Raunds | 203 | 65 | 8th | 38 | 5th | 61·3 | 44·3 | 52·6 | + 0·8 | 74 | 0 | 1 | 0·01 | — | *2·4* | — | *21* | * | * | 54·6 | * | 56·6 | * | *Raunds.* |
| *p* Oxford | 208 | 63 | 8,9 | 36 | 8th | 60·7 | 44·9 | 52·6 | + 0·5 | 74 | 0 | 0 | 0·00 | - 0·54 | 3·2 | - 0·8 | 28 | 1 | 27 | * | * | * | * | Oxford. |
| | | | | | | | | | | | | | | | 2·8 | — | 25 | 0 | 35 | 53·3 | -0·7 | 54·0 | +0·1 | Sheffield. |
| *a* Cheadle | 646 | 62 | 4th | 45 | 7th | 57·4 | 48·4 | 52·8 | + 2·8 | 76 | 0 | 0 | 0·00 | - 0·67 | * | * | * | 0 | 40 | * | * | * | * | Cheadle. |
| *p* Shrewsbury | 191 | 62 | 5,6,9 | ?33 | 8th | 60·6 | ?42·6 | ?51·3 | - 0·9 | 65 | 0 | 0 | 0·00 | — | * | * | * | 1 | ? 30 | * | * | * | * | Shrewsbury. |
| *b*, West *a* Hereford§ | 291 | 65 | 5th | 31 | 5th | 60·9 | 38·9 | 49·6 | - 2·4 | 66 | 9 | 0 | 0·00 | - 0·53 | *3·2* | — | *28* | 3 | 26 | 54·4 | * | 56·6 | * | *Malvern.§* |
| *a* Cirencester | 446 | 63 | 9th | 39 | 5th | 60·3 | 44·7 | 52·3 | + 0·7 | 72 | 0 | 0 | 0·00 | - 0·64 | 3·5 | - 0·4 | 31 | 0 | 33 | 53·2 | * | 54·9 | * | Cirencester. |
| *a* Bath | 66 | 67 | 9th | 35 | 8,9 | 63·0 | 40·1 | 51·2 | - 2·3 | 72 | 5 | 0 | 0·00 | - 0·61 | 3·7 | — | 33 | * | * | * | * | * | * | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Kew | 18 | 62 | 9th | 38 | 8th | 60·4 | 45·3 | 52·6 | - 0·2 | 74 | 0 | 0 | 0·00 | - 0·54 | 3·3 | - 0·5 | 29 | 1 | 30 | 52·5 | -3·5 | 55·3 | -1·0 | Kew. |
| *a* Marlborough | 424 | 66 | 6th | 29 | 8th | 61·4 | 37·0 | 48·8 | - 1·8 | 69 | 14 | 0 | 0·00 | - 0·58 | 3·5 | 0·0 | 31 | 2 | 24 | 52·9 | * | 55·1 | * | Marlborough. |
| *a* Margate | 35 | 67 | 4th | 45 | 9th | 59·6 | 49·6 | 54·5 | 0·0 | 88 | 0 | 0 | 0·00 | - 0·54 | 4·1 | 0·0 | 36 | 0 | 42 | 56·2 | +0·8 | 59·1 | +2·4 | Margate. |
| *a* Wisley, Surrey | 150 | 63 | 8th | 32 | 8th | 61·4 | 42·4 | 51·8 | - 1·6 | 67 | 0 | 0 | 0·00 | — | 3·9 | — | 34 | 3 | 24 | 53·6 | -2·2 | 55·5 | -1·6 | Wisley. |
| | | | | | | | | | | | | | | | 6·0 | — | 53 | 0 | 36 | 54·1 | -3·1 | 57·5 | +0·2 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 65 | 9th | 31 | 8th | 62·0 | 39·7 | 50·5 | - 1·8 | 69 | 6 | 0 | 0·00 | - 0·68 | * | * | * | 1 | 29 | 53·9 | * | * | * | Salisbury. |
| *a* Tunbridge Wells | 418 | 63 | 5,9 | 34 | 8th | 61·6 | 42·6 | 51·8 | - 0·5 | 69 | 0 | 1 | 0·02 | - 0·68 | 4·0 | - 0·3 | 35 | 3 | 27 | 54·5 | -1·7 | 56·7 | * | Tunbridge Wells |
| *a* Dungeness | 21 | 61 | 4th | 38 | 8,9 | 59·6 | 42·4 | 50·8 | - 3·1 | 62 | 0 | 0 | 0·00 | - 0·60 | 5·1 | — | 45 | * | * | * | * | * | * | Littlestone. |
| *p* Hastings | 178 | 63 | 5,9 | 44 | 8th | 60·6 | 47·0 | 53·6 | - 0·9 | 81 | 0 | 0 | 0·00 | - 0·76 | *5·2* | + *0·6* | *46* | 0 | 34 | 55·3 | * | 58·1 | * | *Hastings.* |
| *p* Southampton | 65 | 64 | 4th | 38 | 8th | 62·0 | 44·6 | 53·0 | - 1·2 | 77 | 0 | 0 | 0·00 | - 0·68 | 3·8 | - 0·6 | 33 | 0 | 31 | * | * | * | * | Southampton. |
| *a* Ventnor | 80 | 65 | 9th | 48 | 5,8-10 | 62·4 | 49·7 | 55·9 | - 0·2 | 97 | 0 | 0 | 0·00 | - 0·60 | 5·6 | + 0·9 | 49 | * | * | * | * | * | * | Ventnor. |
| | | | | | | | | | | | | | | | *5·1* | — | *45* | 0 | 36 | 55·2 | -2·1 | 58·2 | - 0·5 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 4·9 | + 0·3 | 43 | * | * | 56·4 | * | 59·2 | * | Eastbourne. |
| | | | | | | | | | | | | | | | *4·3* | — | *37* | * | * | 54·1 | * | 56·0 | * | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | 5·7 | + *1·1* | *50* | 0 | 38 | * | * | 58·2 | * | *Brighton.* |
| *a Westminster* | *27* | *64* | *9th* | *40* | *8th* | *61·7* | *48·4* | *53·8* | + *1·2* | *83* | *0* | *0* | *0·00* | - *0·53* | *2·3* | - *0·6* | *29* | 0 | 36 | * | * | * | * | *Westminster.* |
| *a Greenwich* | *155* | *63* | *5,8,9* | *36* | *8th* | *61·9* | *45·4* | *53·4* | - *0·4* | *80* | *0* | *0* | *0·00* | - *0·50* | *2·8* | - *1·2* | *25* | 1 | 26 | * | * | * | * | *Greenwich.* |
| *a Hampstead* | *450* | *64* | *9th* | *39* | *5,8* | *59·0* | *42·3* | *50·4* | — | *59* | *0* | *0* | *0·00* | — | 2·7 | — | 24 | ? | ? | * | * | * | * | *Hampstead.* |
| *a Camden Square* | *110* | *65* | *5,9* | *38* | *8th* | *62·0* | *45·1* | *53·3* | — | *79* | *0* | *0* | *0·00* | — | *2·4* | — | *21* | 0 | 35 | * | * | * | * | *Camden Square.* |
| | | | | | | | | | | | | | | | *2·4* | — | *21* | 0 | 33 | 51·7 | -0·6 | 53·0 | 0·0 | *Burnley.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | Hoylake. |
| *p* Aspatria | 250 | 61 | 9th | 42 | 10th | 58·6 | 45·4 | 51 8 | + 1·4 | 69 | 0 | 1 | 0·18 | - 0·72 | 2·8 | — | 25 | 0 | 38 | 52·3 | * | 53·2 | * | Aspatria. |
| *p* Newton Rigg | 559 | 59 | 5,7 | 38 | 7,10 | 57·0 | 41·4 | 49·0 | 0·0 | 52 | 2 | 1 | 0·02 | - 0·78 | 2·1 | - 1·2 | 19 | 4 | 27 | 52·6 | -1·1 | 53·0 | -0·6 | Newton Rigg. |
| *p* Stonyhurst | 375 | 59 | 6th | 39 | 10th | 56·7 | 45·3 | 50·8 | + 0·6 | 62 | 0 | 2 | 0·04 | - 0·99 | 3·3 | - 0·2 | 29 | 1 | 28 | * | * | * | * | Stonyhurst. |
| *p* Blackpool | 66 | 62 | 6th | 40 | 10th | 59·1 | 47·7 | 53·2 | + 1·1 | 78 | 0 | 2 | 0·03 | - 0·79 | 2·8 | - 0·7 | 25 | 0 | 34 | 54·5 | * | 54·7 | * | Blackpool. |
| *a Southport* | *37* | *61* | *6th* | *43* | *7,10* | *58·4* | *48·3* | *53·2* | + *1·4* | *78* | *0* | *1* | *0·06* | - *0·72* | *2·9* | - *1·3* | *19* | 0 | 34 | 53·8 | -3·5 | 55·7 | -0·7 | *Southport.* |
| *a* Liverpool (Bidston) | 188 | 60 | 8th | 45 | 8,9 | 57·9 | 48·7 | 53·2 | + 1·0 | 78 | 0 | 0 | 0·00 | - 0·72 | *1·5* | — | *13* | * | * | * | * | * | * | *Liverpool.* |
| *a Hawarden Bridge* | 22 | *63* | *5th* | *41* | *8th* | *60·0* | *48·1* | *53·9* | + *1·0* | *83* | *0* | *1* | *0·01* | - *0·57* | *1·8* | — | *16* | 0 | 37 | 53·3 | -1·4 | 56·6 | +0·5 | *Manchester (City).* |
| *p* Manchester (Whit. Pk.) | 125 | 61 | 6th | 43 | 8th | 58·5 | 47·4 | 52·8 | + 1·4 | 76 | 0 | 2 | 0·05 | - 0·64 | *0·9* | - *1·9* | *8* | * | * | * | * | * | * | " (*Whit. Park*) |
| **b** NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 62 | 6th | 45 | 7th | 60·6 | 48·4 | 54·3 | + 1·0 | 86 | 0 | 1 | 0·05 | - 0·66 | 2·4 | - 1·1 | 21 | * | * | * | * | * | * | Llandudno. |
| *a* Holyhead | 15 | 63 | 6th | 49 | 7th | 60·3 | 51·0 | 55·5 | + 2·5 | 93 | 0 | 1 | 0·01 | - 0·77 | *3·1* | — | *27* | * | * | * | * | * | * | *Holyhead.* |
| *Bettws-y-Coed* | *148* | *63* | *6th* | *39* | *10th* | *59·5* | *43·1* | *51·1* | - *1·5* | *64* | *0* | *1* | *0·01* | — | *1·7* | — | *15* | * | * | 52·3 | -0·4 | 53·0 | -0·3 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 3·4 | — | 30 | * | * | * | * | * | * | Aberdovey. |

* For notes see also opposite page. † At 3 ft. § The temperature on the grass refers to Hereford.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height of Rain Gauge above M.S.L. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day° degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 3·9 | — | 34 | | | | | | | |
| *a* Llangammarch Wells | 550 | 63 | 6th | 32 | 10th | 58·6 | 37·4 | 47·7 | − 2·5 | 59 | 13 | 0 | 0·00 | — | 3·0 | — | 26 | 2 | 29 | 51·2 | −2·8 | 53·1 | −1·0 | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 63 | 6, 9 | 49 | 5, 6 | 59·7 | 51·1 | 55·3 | + 1·4 | 93 | 0 | 1 | 0·08 | − 0·70 | 4·3 | + 0·3 | 38 | | | | | | | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 63 | 6, 9 | 42 | 5th | 60·7 | 46·0 | 53·1 | + 1·1 | 78 | 0 | 0 | 0·00 | − 0·95 | *3·9* | — | *34* | 0 | 38 | 54·7 | −0·4 | 56·7 | +0·2 | Pembroke. |
| | | | | | | | | | | | | | | | | | | | | | | | | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 63 | 4, 6, 9 | 43 | 8th | 61·3 | 47·1 | 54·0 | + 1·2 | 84 | 0 | 0 | 0·00 | − 0·73 | *3·9* | • | *34* | 0 | 40 | • | • | • | • | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 62 | 9th | 41 | 5th | 59·3 | 43·9 | 51·4 | − 0·6 | 66 | 0 | 0 | 0·00 | − 0·71 | • | • | • | • | • | 54·9 | • | 57·8 | • | Shaftesbury. |
| *a* Arlington .. .. | 613 | 61 | 8, 9 | 40 | 5th | 59·6 | 44·3 | 51·7 | 0·0 | 68 | 0 | 0 | 0·00 | − 1·29 | • | • | • | • | • | • | • | • | • | Arlington. |
| *a Newquay* .. .. | *190* | *61* | *7th* | *45* | *8th* | *59·6* | *50·3* | *54·8* | + *0·4* | *90* | *0* | *1* | *0·01* | − *0·75* | 4·6 | + 0·3 | 40 | 0 | 41 | 57·1 | • | 57·4 | • | Newquay. |
| *a* Cullompton .. .. | 202 | 67 | 9th | 37 | 5th | 63·0 | 40·9 | 51·6 | − 0·7 | 72 | 3 | 0 | 0·00 | − 0·72 | 4·4 | + 0·7 | 39 | 0 | 31 | 54·3 | • | • | • | Cullompton. |
| *a* Portland Bill .. .. | 19 | 63 | 6, 9 | 48 | 10th | 61·0 | 50·9 | 55·8 | + 0·9 | 97 | 0 | 0 | 0·00 | — | *4·4* | — | *39* | • | • | • | • | • | • | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 64 | 9th | 43 | 8th | 61·7 | 47·0 | 54·1 | 0·0 | 85 | 0 | 0 | 0·00 | − 0·73 | 4·4 | + 0·3 | 39 | • | • | 55·2 | −1·9 | • | • | Plymouth. |
| *a* Falmouth .. .. | 167 | 63 | 4, 6, 9 | 47 | 5, 8, 9 | 61·9 | 49·1 | 55·3 | + 1·1 | 93 | 0 | 0 | 0·00 | − 0·95 | 5·5 | + 1·3 | 48 | 0 | 39 | 58·6 | • | 59·4 | • | Falmouth. |
| **9.** IRELAND. N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Malin Head .. .. | 208 | 59 | 7th | 50 | 4, 10 | 56·6 | 51·9 | 54·2 | + 2·7 | 85 | 0 | ?5 | ?0·20 | − 0·51 | *1·1* | — | *10* | • | • | • | • | • | • | *Malin Head.* |
| *a*, West .. *a* Blacksod Point .. | 37 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • |
| *p* Markree Castle .. | 122 | 63 | 5th | 45 | 4, 5 | 59·9 | 48·9 | 54·2 | + 4·4 | 85 | 0 | 3 | 0·08 | − 0·82 | 1·5 | − 1·7 | 13 | 0 | 38 | 56·8 | • | 56·0 | • | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 63 | 5th | 44 | 4, 5 | 61·3 | 48·0 | 54·5 | + 4·0 | 88 | 0 | 0 | 0·00 | − 0·61 | *2·7* | − *1·0* | *24* | • | • | • | • | • | • | *Birr Castle.* |
| *b*, East .. *p* Armagh .. | 196 | 62 | 5, 8 | 45 | 10th | 59·1 | 49·0 | 53·9 | + 3·4 | 83 | 0 | 1 | 0·03 | − 0·57 | 1·5 | − 1·8 | 13 | 0 | 36 | 55·3 | +0·5 | 55·1 | −0·1 | Armagh. |
| *a* Donaghadee .. .. | 101 | 61 | 5, 8 | 44 | 10th | 58·4 | 48·7 | 53·4 | + 1·5 | 80 | 0 | 1 | 0·04 | − 0·58 | • | • | • | • | • | • | • | • | • | • |
| | | | | | | | | | | | | | | | • | • | • | 0 | 38 | 55·7 | +0·6 | 55·4 | −0·1 | *Trinity Coll.* |
| **10.** IRELAND. S. | | | | | | | | | | | | | | | 2·1 | − 1·9 | 18 | 0 | 35 | • | • | • | • | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 62 | 5th | 48 | 5th | 60·6 | 51·3 | 55·8 | + 3·4 | 97 | 0 | 2 | 0·02 | − 0·53 | • | • | • | 0 | 45 | • | • | • | • | Dublin City. |
| *a*, East .. *a* Kilkenny .. .. | 212 | 63 | 8th | 43 | 5th | 61·1 | 48·9 | 54·8 | + 3·5 | 90 | 0 | 2 | 0·04 | − 0·57 | • | • | • | • | • | • | • | • | • | • |
| *a* Waterford .. .. | 30 | 65 | 8th | 45 | 4, 5, 9 | 61·6 | 49·6 | 55·4 | + 3·5 | 94 | 0 | 1 | 0·02 | − 0·78 | • | • | • | • | • | • | • | • | • | • |
| *a Seskin, Carrick-on-Suir* | *541* | *63* | *8th* | *45* | *9th* | *60·6* | *48·9* | *54·6* | — | *88* | *0* | *1* | *0·03* | — | *3·3* | — | *29* | 0 | 40 | • | • | • | • | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 63 | 5th | 44 | 4, 5 | 61·3 | 48·0 | 54·5 | + 4·0 | 88 | 0 | 0 | 0·00 | − 0·61 | 2·7 | − 1·0 | 24 | • | • | • | • | • | • | Birr Castle. |
| *a* Foynes .. .. | 50 | 63 | 4, 5, 8 | 43 | 9th | 62·0 | 51·1 | 56·4 | + 4·2 | 101 | 0 | 2 | 0·09 | − 0·68 | • | • | • | • | • | • | • | • | • | • |
| *a* Cahir .. .. | 199 | 64 | 6, 10 | 39 | 9th | 62·0 | 45·6 | 53·6 | + 1·3 | 81 | 0 | 1 | 0·01 | — | • | • | • | • | • | • | • | • | • | • |
| *b*, West .. *a* Killarney .. | 174 | 68 | 4, 6, 8 | 44 | 9th | 66·1 | 48·6 | 57·1 | + 5·0 | 106 | 0 | 0 | 0·00 | − 1·09 | • | • | • | • | • | • | • | • | • | • |
| *a* Valencia .. .. | 30 | 63 | 4, 6 | 45 | 7th | 61·4 | 49·4 | 55·2 | + 1·4 | 92 | 0 | 2 | 0·08 | − 1·02 | 3·5 | − 0·3 | 31 | • | • | • | • | • | • | Valencia. |
| *a* Roche's Point .. .. | 32 | 63 | 4, 8 | 48 | 4, 5 | 61·6 | 50·0 | 55·6 | + 2·2 | 95 | 0 | 5 | 0·16 | − 0·64 | 3·4 | — | 30 | • | • | • | • | • | • | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 64 | 6th | 50 | 5, 8, 9 | 62·0 | 51·6 | 56·7 | + 0·8 | 103 | 0 | 0 | 0·00 | − 0·72 | 5·6 | + 1·2 | 49 | • | • | • | • | • | • | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 64 | 4, 6 | 39 | 9th | 62·6 | 45·9 | 54·0 | − 3·1 | 84 | 0 | 0 | 0·00 | − 0·81 | 7·6 | + 2·6 | 67 | • | • | • | • | • | • | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 66 | 6, 7 | 45 | 8th | 64·4 | 50·0 | 57·0 | + 0·6 | 105 | 0 | 0 | 0·00 | − 0·85 | 6·3 | + 1·7 | 55 | 0 | 38 | 58·5 | −0·3 | 60·1 | +0·1 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 5·7 hrs. 50 %; Ramsgate, 4·7 hrs. 41 %; Rhyl, 1·5 hrs. 13 %; Salcombe, 5·7 hrs. 50 %; Tenby, 4·4 hrs. (+0·2) 39 %; Torquay, 4·4 hrs. (0·0) 39 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Oct. 10th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | 50 | 48 | 49·2 | −2·9 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 59 | 56 | 57·7 | +4·5 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 50 | 47 | 48·5 | −3·3 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 60 | 57 | 58·0 | −1·0 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 58 | 56 | 56·7 | −2·5 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 57 | 56 | 56·5 | +1·1 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 58 | 56 | 57·1 | — |
| Plymouth‡ .. .. | 59 | 58 | 58·6 | +1·2 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | — | — | — | — |
| Seafield .. .. | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of WIND VELOCITY for ANEMOGRAPH STATIONS. [1914.]

Week ending at midnight (24h.) on Saturday, October 10th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind: Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. | d. | h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | — | — | 16 | 152 | NW. 8 | 4th 9h. | 20 | 5th | 12.45 |
| Aberdeen .. .. | 105 | — | — | 4, 5 | 9 | 18 | 141 | W. by N. 14 | 5th 14h. | 24 | 5th | 13.25 |
| Rosyth .. .. | 73 | — | — | 5 | 2 | 37 | 129 | W. 13 | 5th 13h. | 18 | 5th | 13.20 |
| **6.** SCOTLAND, W. | | | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 4, 5 | 4 | 20 | 144 | NW by W. 14 | 5th 18h. | 22 | 5th | 17.50 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 13 | 155 | NW. by N. 8 | 5th 15h. | 17 | 5th | 14.40 |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | — | — | — | — | — | — | — |
| South Shields .. | 61 | — | — | 5 | 1§ | 33§ | 129§ | WNW. 11 | 5th 13h. | 17 | 5th | 11.40 |
| Spurn Head .. | 40 | — | — | — | — | 40§ | 95§ | WNW. 10 | 5th 13h. | 15 | 6th | 5.10 |
| **3.** ENGLAND, E. | | | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | — | — | 34 | 134 | — 9 | 4th 14h. | 14 | 4th | 12.15 |
| Shoeburyness .. | 90 | — | — | — | — | 8 | 160 | NW. by N. 7 | 4th 14h. | 12 | 4th | 10.5 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records disco | ntinu | ed aft | er Ma | rch 14. | | | | |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | |
| Dover .. .. | 40 | — | — | — | — | 39 | 129 | — 9 | 9th 23h. | 13 | 9th | 23.25 |
| Warlingham .. | 33 | — | — | — | — | — | 168 | — 5 | 4th 13h. | 9 | 4th | 14.10 |
| Brighton .. .. | 53 | — | — | — | — | 7 | 161 | — 7 | 10th 11h. | 11 | 10th | 10.50 |
| Kew .. .. .. | 40 | — | — | — | — | 2 | 166 | NE. by N. 6 | 6th 12h. | 11 | 4th | 13.25 |
| South Kensington | 92 | — | — | — | — | — | 168 | NW. 4 | 4th 13h. | 9 | 4th | 11.35 |
| **7.** ENGLAND, N.W. | | | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | 3 | 165 | WNW. 7 | 5th 15h. | 11 | 5th | 13.40 |
| Southport .. .. | 62 | — | — | 4, 5 | 19 | 44 | 105 | WNW. 13 | 4th 6h. | 17 | 4th | 12.35 |
| Holyhead .. .. | 40 | — | — | — | — | 48 | 120 | WNW. 10 | 5th 23h. | 12 | 5th | 23.5 |
| **8.** ENGLAND, S.W. | | | | | | | | | | | | |
| Pendennis Castle .. | 65 | — | — | — | — | 18§ | 148§ | ESE. 9 | 7th 3h. | 11 | 7th | 2.45 |
| Plymouth .. .. | 86 | — | — | — | — | — | 168 | — 5 | 4th 15h. | 9 | 4th | 15.20 |
| **10.** IRELAND, S. | | | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | — | — | 25 | 143 | — 8 | 8th 1h. | 10 | 8th | 1.20 |
| Weaver Pt. .. | 30 | — | — | — | — | 2 | 166 | — 7 | 10th 24h. | 11 | 10th | 23.35 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | |
| Scilly .. .. .. | 19 | — | — | — | — | — | — | — | — | — | — | — |

§ The total duration in the different columns makes up 168 hours, if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**FORTIETH WEEK**—October 4th to October 10th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (25 Yrs.) | Below 42° | Difference from Av. (25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 63 | 40 | 56·7 | 48·1 | 52·3 | + 4·2 | 72 | + 25 | 0 | − 3 | 4 | − 1 | 0·31 | −1·06 | 1·1 | −1·6 | 10 | 1023 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 67 | 31 | 59·9 | 45·5 | 52·5 | + 4·0 | 74 | + 23 | 0 | − 4 | 3 | − 2 | 0·13 | −0·63 | 2·1 | −1·1 | 19 | 1024 |
| 2. ENGLAND, N.E. ... ... | 69 | 38 | 59·0 | 46·1 | 52·3 | + 1·9 | 72 | + 11 | 0 | − 2 | 2 | − 2 | 0·06 | −0·47 | 2·5 | −1·2 | 22 | 1026 |
| 3. ENGLAND, EAST ... | 63 | 32 | 59·3 | 44·6 | 51·8 | + 0·3 | 69 | 0 | 0 | − 2 | 2 | − 2 | 0·05 | −0·53 | 2·7 | −1·2 | 24 | 1025 |
| 4. MIDLAND COUNTIES ... | 67 | 31 | 59·9 | 44·2 | 51·8 | + 1·5 | 69 | + 7 | 0 | − 3 | 0 | − 4 | 0·00 | −0·62 | 2·6 | −0·9 | 23 | 1027 |
| 5. ENGLAND, S.E. ... ... | 67 | 29 | 61·1 | 44·0 | 52·3 | − 0·6 | 72 | − 6 | 0 | − 1 | 0 | − 4 | 0·00 | −0·70 | 4·4 | +0·5 | 39 | 1026 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 65 | 36 | 59·3 | 48·0 | 53·5 | + 3·6 | 81 | + 24 | 0 | − 2 | 2 | − 3 | 0·17 | −1·03 | 2·5 | −0·7 | 22 | 1026 |
| 7. ENGLAND, N.W. ... ... | 63 | 38 | 58·6 | 46·9 | 52·6 | + 1·5 | 74 | + 9 | 0 | − 1 | 1 | − 3 | 0·05 | −0·88 | 2·7 | −0·5 | 24 | 1027 |
| 8. ENGLAND, S.W. ... ... | 67 | 32 | 60·7 | 45·8 | 53·0 | + 0·6 | 77 | + 3 | 0 | 0 | 1 | − 4 | 0·01 | −0·99 | 4·3 | +0·5 | 38 | 1027 |
| 9. IRELAND, NORTH ... | 63 | 44 | 59·1 | 49·3 | 54·0 | + 3·7 | 84 | + 25 | 0 | − 1 | 2 | − 3 | 0·07 | −0·85 | 1·5 | −1·5 | 13 | 1026 |
| 10. IRELAND, SOUTH ... | 68 | 39 | 62·0 | 49·2 | 55·4 | + 3·8 | 94 | + 26 | 0 | − 1 | 2 | − 2 | 0·05 | −0·73 | 2·9 | −0·8 | 26 | 1028 |
| 11. ENGLISH CHANNEL ... | 66 | 39 | 63·0 | 49·2 | 55·9 | + 0·2 | 97 | + 1 | 0 | 0 | 0 | − 4 | 0·00 | −0·85 | 6·5 | +2·0 | 57 | 1027 |

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 6 Weeks, August 30th to October 10th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 75 | 32 | * | * | * | * | 424 | + 21 | 0 | − 6 | 27 | − 2 | 4·03 | −2·67 | 3·1 | −0·2 | 24 | 1016 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 76 | 22 | * | * | * | * | 441 | + 6 | 0 | − 8 | 16 | − 9 | 1·45 | −2·19 | 4·0 | +0·1 | 32 | 1017 |
| 2. ENGLAND, N.E. ... ... | 82 | 31 | * | * | * | * | 545 | + 35 | 0 | − 2 | 13 | − 8 | 1·37 | −1·61 | 5·3 | +0·9 | 42 | 1020 |
| 3. ENGLAND, EAST ... | 82 | 30 | * | * | * | * | 593 | + 17 | 0 | − 3 | 13 | − 7 | 1·12 | −1·82 | 5·7 | +0·8 | 46 | 1020 |
| 4. MIDLAND COUNTIES ... | 82 | 28 | * | * | * | * | 568 | + 39 | 11 | + 6 | 12 | − 8 | 1·12 | −2·03 | 5·3 | +1·0 | 42 | 1021 |
| 5. ENGLAND, S.E. ... ... | 82 | 28 | * | * | * | * | 616 | − 10 | 1 | 0 | 9 | −11 | 1·06 | −2·40 | 6·7 | +1·7 | 53 | 1021 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 77 | 28 | * | * | * | * | 506 | + 37 | 0 | − 3 | 16 | − 9 | 2·68 | −3·45 | 4·3 | +0·2 | 34 | 1019 |
| 7. ENGLAND, N.W. ... ... | 77 | 29 | * | * | * | * | 558 | + 27 | 0 | − 1 | 17 | − 6 | 3·21 | −1·36 | 5·0 | +0·9 | 40 | 1020 |
| 8. ENGLAND, S.W. ... ... | 80 | 29 | * | * | * | * | 605 | + 23 | 0 | 0 | 14 | − 9 | 2·43 | −2·32 | 5·7 | +1·0 | 46 | 1021 |
| 9. IRELAND, NORTH ... | 75 | 30 | * | * | * | * | 540 | + 50 | 0 | − 1 | 18 | − 9 | 2·00 | −2·82 | 3·6 | −0·1 | 29 | 1019 |
| 10. IRELAND, SOUTH ... | 78 | 32 | * | * | * | * | 615 | + 73 | 0 | − 1 | 16 | − 7 | 3·12 | −1·21 | 4·0 | −0·3 | 32 | 1021 |
| 11. ENGLISH CHANNEL ... | 82 | 39 | * | * | * | * | 723 | + 20 | 0 | 0 | 15 | − 9 | 3·43 | −0·47 | 6·1 | +0·2 | 49 | 1022 |

THE YEAR.—Aggregates, &c., for the Period of 40 Weeks, January 4th, 1914, to October 10th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 2070 | +195 | 391 | −172 | 181 | − 3 | 33·38 | −3·62 | 3·6 | 0·0 | 27 | 1010 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 2335 | +220 | 492 | −136 | 140 | −13 | 20·11 | −2·39 | 4·4 | +0·2 | 33 | 1011 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 2766 | +409 | 299 | −178 | 125 | −12 | 15·91 | −1·89 | 4·9 | +0·3 | 38 | 1014 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 3054 | +333 | 299 | −225 | 120 | −12 | 14·79 | −2·52 | 5·4 | +0·4 | 41 | 1015 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 2954 | +296 | 378 | −160 | 125 | − 6 | 17·06 | −2·21 | 4·7 | +0·3 | 36 | 1015 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 3135 | +213 | 241 | −141 | 116 | −10 | 18·38 | −0·53 | 5·8 | +0·7 | 45 | 1016 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 2489 | +211 | 317 | −111 | 156 | − 4 | 29·61 | −4·23 | 4·3 | −0·1 | 33 | 1012 |
| 7. ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 2774 | +281 | 227 | −160 | 141 | − 5 | 23·37 | −1·52 | 4·8 | +0·4 | 37 | 1014 |
| 8. ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 2980 | +219 | 192 | −109 | 146 | + 2 | 29·33 | +2·82 | 5·2 | +0·3 | 40 | 1015 |
| 9. IRELAND, NORTH ... | 80 | 25 | * | * | * | * | 2581 | +200 | 246 | −100 | 170 | − 4 | 26·03 | −1·70 | 4·0 | 0·0 | 30 | 1012 |
| 10. IRELAND, SOUTH ... | 81 | 24 | * | * | * | * | 2970 | +248 | 174 | − 86 | 167 | +13 | 29·25 | +0·63 | 4·5 | 0·0 | 34 | 1014 |
| 11. ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 3369 | +211 | 72 | − 37 | 140 | −12 | 23·68 | +1·76 | 5·7 | −0·3 | 44 | 1016 |

M.O., October 14, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 = 29·531 mb mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) } No. 41. FORTY-FIRST WEEK, SUNDAY, OCTOBER 11TH, TO SATURDAY, OCTOBER 17TH, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

The changes in barometrical pressure were very gradual, and the general character of the weather quiet. A depression of little depth appeared off our north-west coasts on the 12th, with a smaller minimum off the south-west of England. These subsequently moved slowly eastward and finally southward, while an anticyclone extended over these Islands from Scandinavia. The wind, after blowing from some Southerly point as the depressions approached, shifted to the Northward or North-Eastward, and for a time on Wednesday it blew a fresh or strong breeze on various exposed parts of the coast. Rain was experienced in most places during the middle of the week, but the quantity was generally slight. At Valencia, however, as much as 2·4 in. was experienced on the 11th. During the week as a whole the weather was dry, and there was not much sunshine. Temperature exceeded the normal very generally, and as the minimum readings were high the diurnal range was unusually small for the time of year.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Unusual | Unusual | Unusual | Moderate | Moderate | Unusual | Moderate | Moderate | Moderate | Moderate |
| | Rainfall ... | Very light | Light | Very light | Light | Moderate | Moderate | Light | Very light | Light | Light | Light | Moderate |
| | Sunshine ... | Abundant | Scanty | Very scanty | Very scanty | Very scanty | Very scanty | Very scanty | Very scanty | Scanty | Moderate | Moderate | Moderate |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 7 weeks from Aug. 30th, 1914. | Warmth ... | 3·2 | 3·1 | 4·1 | 3·1 | 3·1 | 2·2 | 3·2 | 4·2 | 2·1 | 4·1 | 3·1 | 2·1 |
| | Rainfall ... | 1·5 | 1·6 | 1·5 | 0·5 | 0·4 | 0·4 | 1·5 | 2·5 | 2·5 | 0·5 | 2·5 | 2·3 |
| | Sunshine ... | 3·3 | 2·3 | 2·2 | 2·2 | 3·2 | 4·1 | 1·2 | 3·1 | 3·3 | 1·2 | 1·2 | 2·2 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6·0 | 8·0 | 8·0 | 10·0 | 11·0 | 11·0 | 6·0 | 9·0 | 9·0 | 8·0 | 9·2 | 11·0 |
| | Rainfall ... | 4·4 | 2·4 | 4·6 | 5·6 | 5·4 | 5·5 | 2·4 | 4·6 | 3·5 | 3·2 | 7·1 | 4·3 |
| | Sunshine ... | 5·4 | 5·6 | 6·3 | 4·1 | 4·3 | 5·2 | 1·4 | 6·3 | 4·6 | 2·5 | 2·6 | 2·4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6·3 | 7·2 | 7·2 | 9·3 | 7·4 | 7·4 | 4·2 | 8·3 | 7·4 | 7·2 | 7·4 | 6·4 |
| | Rainfall ... | 5·2 | 5·4 | 1·7 | 3·9 | 2·8 | 3·5 | 5·4 | 5·6 | 3·5 | 5·5 | 4·6 | 5·7 |
| | Sunshine ... | 3·1 | 2·2 | 1·2 | 3·4 | 2·6 | 4·4 | 2·6 | 2·0 | 3·5 | 1·9 | 1·7 | 2·5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3·1 | 6·0 | 8·1 | 8·2 | 6·1 | 7·1 | 5·3 | 5·1 | 8·1 | 6·3 | 6·2 | 9·1 |
| | Rainfall ... | 5·2 | 5·5 | 4·6 | 4·5 | 4·5 | 5·4 | 6·4 | 4·5 | 7·6 | 5·5 | 4·6 | 6·5 |
| | Sunshine ... | 4·4 | 4·2 | 3·2 | 6·5 | 4·5 | 4·1 | 4·2 | 4·2 | 4·2 | 4·4 | 4·4 | 4·4 |
| SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. | Warmth ... | 5·0 | 6·3 | 6·1 | 6·1 | 5·2 | 5·2 | 7·2 | 5·1 | 5·2 | 6·1 | 4·2 | 5·3 |
| | Rainfall ... | 2·4 | 2·4 | 3·5 | 3·5 | 3·4 | 2·4 | 2·7 | 4·3 | 5·3 | 2·7 | 4·2 | 7·3 |
| | Sunshine ... | 6·2 | 4·3 | 4·5 | 5·3 | 6·5 | 5·2 | 3·4 | 6·4 | 3·5 | 5·3 | 4·4 | 1·6 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**
**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**
**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(2922—19.) Wt. 229—611. 450. 10/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| **0.** SCOTLAND, N. | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| *p Baltasound* | *31* | | | | | | | | | | | | | | | | | | | | | | | *Baltasound.* |
| *a* Lerwick | 54 | 53 | 11, 17 | 43 | 15th | 51·9 | 47·1 | 49·4 | + 2·8 | 52 | 0 | 4 | 0·55 | — | 3·1 | + 0·3 | 29 | | | | | | | Deerness. |
| *a* Stornoway | 51 | 58 | 16th | 38 | 15th | 54·7 | 46·7 | 50·6 | + 3·5 | 60 | 0 | 5 | 0·80 | - 0·45 | 2·7 | - 0·2 | 26 | | | | | | | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *56* | *11th* | *45* | *14th* | *54·6* | *50·0* | *52·2* | + *3·1* | *71* | *0* | *4* | *0·77* | — | *2·5* | — | *23* | | | | | | | *Castlebay.* |
| *a* Wick | 81 | 59 | 16th | 35 | 15th | 53·7 | 42·4 | 47·9 | + 0·3 | 41 | 0 | 4 | 0·21 | - 0·48 | | | | | | | | | | |
| *p* Strathpeffer | 200 | 59 | 12th | 32 | 15th | 56·1 | 38·6 | 47·1 | + 0·3 | 50 | 10 | 2 | 0·05 | - 0·59 | 3·2 | + 0·1 | 30 | | | | | | | Strathpeffer. |
| *p* Glencarron | 500 | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Fort Augustus | 68 | 57 | 11, 12, 16 | 30 | 13, 15 | 55·0 | 37·3 | 45·9 | - 1·7 | 47 | 13 | 1 | 0·13 | - 0·82 | 3·1 | + 1·0 | 29 | | | | | | | Fort Augustus. |
| *p* Fort William | 171 | 56 | 12th | 31 | 15th | 54·1 | 38 1 | 45·9 | - 2·9 | 44 | 11 | 3 | 0·21 | - 1·55 | | | | | | | | | | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle | 101 | 64 | 15, 16 | 34 | 15th | 59·7 | 40·3 | 49·7 | + 1·3 | 61 | 5 | 3 | 0·23 | - 0·52 | 2·7 | — | 25 | 3 | 20 | 49·7 | -1·1 | 52·7 | +0·5 | Crathes S. |
| *a* Nairn | 82 | 60 | 12th | 28 | 15th | 56·1 | 35·1 | 45·3 | - 2·2 | 52 | 19 | 2 | 0·05 | - 0·48 | *4·7* | — | *44* | | | | | | | *Gordon Castle.* |
| *a* Aberdeen | 46 | 59 | 16th | 32 | 15, 16 | 55·0 | 41·3 | 48·0 | - 0 3 | 45 | 2 | 2 | 0·05 | - 0·60 | 4·2 | — | 39 | | | | | | | Nairn. |
| *a* Balmoral | 930 | 63 | 13th | 19 | 15th | 59·7 | 31·6 | 45·2 | + 0·7 | 66 | 29 | 0 | 0·00 | - 0·81 | 3·3 | - 0·1 | 31 | | | | | 51·5 | +0·4 | Aberdeen. |
| *p* Crieff | 432 | 61 | 16th | 33 | 15th | 55·6 | 41·4 | 48·3 | + 0·1 | 47 | 2 | 3 | 0·11 | - 0·73 | | | | 5 | 16 | | | | | Balmoral. |
| *a* Leith | 18 | 58 | 11th | 39 | 11th | 55·4 | 44·1 | 49·6 | - 0·2 | 53 | 0 | 2 | 0·30 | - 0·17 | 3·0 | — | 28 | | | | | | | Balruddery. |
| *a* West Linton | 770 | 54 | 12, 16 | 28 | 15th | 52·1 | 36·7 | 44·2 | - 2·4 | 38 | 15 | 2 | 0·44 | — | *0·8* | — | *7* | 2 | 27 | | | | | *West Linton.* |
| *p* Marchmont | 498 | 56 | 11th | 38 | 11th | 53·3 | 42·4 | 47·7 | + 0·3 | 40 | 0 | 4 | 0·15 | - 0·64 | 0·4 | - 2·6 | 4 | 0 | 33 | | | | | Marchmont. |
| *a Edinburgh* | *441* | *57* | *16th* | *42* | *15th* | *53·0* | *45·9* | *49·4* | — | *52* | *0* | *1* | *0·26* | — | 0·6 | — | 6 | 0 | 31 | | | | | Edinburgh. |
| **6.** *a*, SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 57 | 15th | 31 | 15th | 54·6 | 39 7 | 46·9 | - 2·0 | 44 | 6 | 2 | 0·26 | - 0·88 | | | | | | | | | | |
| *p* Glasgow Observatory | 180 | 59 | 16, 17 | 34 | 15th | 54·3 | 44·3 | 49·2 | + 1·0 | 50 | 0 | 4 | 0·18 | - 0·59 | 1·2 | - 1·3 | 11 | 1 | 28 | | | | | Glasgow. |
| *p* Rothesay | 90 | 57 | 17th | 36 | 13, 15 | 54·6 | 40·9 | 47·6 | - 1·6 | 44 | 3 | 3 | 0·24 | - 0·75 | *1·6* | — | *15* | ? | ? | 51·3 | | 53·0 | +0·8 | *Rothesay.* |
| *a* Kilmarnock | 90 | 60 | 16th | 29 | 15th | 55·6 | 41·6 | 48·4 | - 0·2 | 46 | 1 | 4 | 0·61 | — | *1·9* | — | *17* | | | | | | | *Kilmarnock.* |
| *a* Colmonell | 170 | 61 | 16th | 29 | 15th | 57·0 | 42·6 | 49·6 | + 0·5 | 53 | 0 | 4 | 0·52 | - 0·48 | | | | 1 | 26 | | | | | |
| *p* Dumfries | 160 | 57 | 15th | 37 | 15th | 55·0 | 44·7 | 49·7 | + 0·9 | 54 | 0 | 4 | 0·15 | - 0·65 | *0·6* | — | *6* | 0 | 33 | 51·4 | | 54·6 | | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 59 | 15th | 37 | 11, 15 | 56·9 | 43·7 | 50·1 | + 2·0 | 57 | 0 | 2 | 1·02 | - 0·05 | | | | | | | | | | |
| *b*, I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 58 | 15th | 46 | 15th | 55 7 | 49·0 | 52·3 | + 2·4 | 72 | 0 | 3 | 0·08 | - 0·95 | *1·0* | - 2·6 | 9 | 0 | 40 | | | | | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 59 | 12th | 35 | 11th | 55·7 | 44·9 | 50·1 | + 2·5 | 57 | 0 | 2 | 0·45 | - 0·35 | 0·8 | — | 7 | 0 | 31 | 49·8 | - 0·4 | 51·4 | 0·0 | Cockle Park. |
| *a* Tynemouth | 72 | 57 | 12th | 40 | 11th | 54·9 | 47·4 | 51·0 | + 1·8 | 63 | 0 | 1 | 0·24 | - 0·42 | *0·8* | — | *7* | | | | | | | *Tynemouth.* |
| *p* Durham | 336 | 58 | 11th | 37 | 11th | 54·4 | 45·9 | 50·0 | + 1·4 | 56 | 0 | 1 | 0·02 | - 0·66 | 1·2 | - 1·9 | 11 | 0 | 39 | | | | | Durham. |
| *a*, North *p* Rounton | 249 | 59 | 11, 13 | 41 | 11th | 55·4 | 45·3 | 50·2 | + 2·1 | 57 | 0 | 1 | 0·02 | - 0·62 | | | | 0 | 38 | 52·1 | | | | Rounton. |
| *a West Witton* | *605* | *58* | *12th* | *42* | *11th* | *54·4* | *45·6* | *49·9* | — | *55* | *0* | *1* | *0·03* | — | | | | 0 | 35 | 50·8 | | 51·2 | | *West Witton.* |
| *p* Scarborough | 100 | 58 | 12th | 47 | 13th | 55·7 | 49·6 | 51·6 | + 2·5 | 74 | 0 | 2 | 0·05 | - 0·65 | 0·7 | — | 6 | | | | | 55·6† | | Scarborough. |
| *p* York | 56 | 61 | 11th | 43 | 11th | 57·3 | 47·1 | 52·1 | + 2·3 | 71 | 0 | 2 | 0·03 | - 0·55 | 1·6 | - 1·4 | 15 | | | 52·9 | - 0·8 | 54·5 | 0·0 | York. |
| | | | | | | | | | | | | | | | *0·3* | — | *3* | 0 | 36 | 49·9 | - 2·0 | 54·0 | +0·1 | *Hull.* |
| *a* Spurn Head | 26 | 60 | 15th | 46 | 12, 14 | 58·1 | 49·3 | 53·6 | + 2·5 | 81 | 0 | 2 | 0·36 | - 0·14 | *2·5* | — | *23* | | | | | | | *Spurn Head.* |
| *b*, South *a* Lincoln | 58 | 64 | 15th | 41 | 13th | 58·0 | 46·4 | 52·0 | + 2·4 | 70 | 0 | 2 | 0·23 | - 0·33 | | | | | | 52·0 | - 1·2 | 54·9 | +0·3 | Lincoln. |
| *a* Fulbeck | 180 | 64 | 15th | 38 | 11th | 58 0 | 45·3 | 51·5 | + 2·1 | 67 | 0 | 2 | 0·19 | - 0·35 | 2·0 | — | 19 | 0 | 33 | 53·2 | +0·2 | 55·4 | +0·3 | Ranceby. |
| | | | | | | | | | | | | | | | 2·7 | — | 25 | | | | | | | Skegness. |
| | | | | | | | | | | | | | | | *2·1* | — | *19* | 0 | 35 | 54·2 | - 1·3 | 55·9 | - 0·8 | *Lowestoft.* |
| *p* Cromer | 196 | 60 | 13th | 44 | 12, 13 | 57·7 | 48·6 | 53·0 | + 2·2 | 77 | 0 | 2 | 0·07 | — | 2·0 | — | 18 | | | | | | | Cromer. |
| *p* Little Massingham | 280 | 63 | 15th | 39 | 12, 13 | 57·4 | 45·0 | 51·0 | + 0·9 | 63 | 0 | 4 | 0·17 | - 0·51 | 1·8 | - 1·7 | 17 | 1 | 29 | | | | | Lit. Massingham. |
| *a*, North *a* Yarmouth | 17 | 60 | 14, 15 | 42 | 13th | 57·9 | 47·3 | 52·4 | + 1·2 | 73 | 0 | 3 | 0·21 | - 0·44 | 1·8 | — | 17 | | | 54·3 | - 2·4 | 56·4 | - 0·6 | Yarmouth. |
| *a* Norwich | 93 | 63 | 15th | 35 | 13th | 58·4 | 44·9 | 51·5 | + 0·2 | 67 | 0 | 2 | 0 24 | — | *2·3* | — | *21* | 1 | 30 | 51·8 | | | | *Norwich.* |
| *a* Geldeston | 37 | 63 | 15, 16 | 32 | 13th | 59·4 | 46·4 | 52·7 | + 2·1 | 75 | 0 | 3 | 0·24 | - 0·39 | 1·9 | - 2·0 | 17 | | | | | | | Geldeston. |
| *p* Cambridge | 41 | 65 | 15th | 29 | 12th | 59·3 | 43·3 | 51·1 | + 0·8 | 64 | 0 | 2 | 1·03 | + 0·52 | 1·8 | - 2·0 | 17 | 2 | 21 | 52·7 | - 1·8 | 55·7 | - 0·8 | Cambridge. |
| *a Felixstowe* | *10* | *60* | *15th* | *44* | *12th* | *57·6* | *50·0* | *53·7* | + *1·9* | *82* | *0* | *3* | *0·43* | — | *2·9* | — | *27* | | | | | | | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 61 | 15th | 45 | 12th | 58·0 | 49·3 | 53·5 | + 1·7 | 81 | 0 | 3 | 0·30 | — | 2·6 | — | 24 | 0 | 36 | 54·4 | - 1·9 | 56·7 | - 0·2 | Clacton. |
| *b*, South *a* Rothamsted | 424 | 61 | 11th | 30 | 12th | 57·6 | 44·0 | 50·6 | + 1·2 | 60 | 0 | 4 | 0·49 | - 0·17 | 1·8 | - 2·0 | 17 | | | | | | | Rothamsted. |
| *a Shoeburyness* | *13* | *60* | *15, 16* | *43* | *13th* | *57·9* | *47·7* | *52·7* | + *0·1* | *75* | *0* | *3* | *0·27* | - *0·20* | *1·4* | — | *13* | 0 | 37 | 55·6 | - 1·9 | | | *Southend.* |
| *p* Tottenham | 51 | 62 | 17th | 35 | 12th | 59·1 | 45·9 | 52·3 | + 1·9 | 72 | 0 | 3 | 0·19 | — | 0·7 | — | 6 | 1 | 30 | | | 57·3 | +2·3 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate | 476 | 59 | 11th | 40 | 13th | 54·4 | 44·6 | 49·4 | + 1·1 | 52 | 0 | 2 | 0·05 | - 0·66 | *1·9* | — | *17* | 0 | 36 | 51·3 | - 0·9 | 53·3 | - 0·1 | *Huddersfield.* |
| *a* Bawtry | 65 | 63 | 11th | 38 | 13th | 58·0 | 45·3 | 51·5 | + 2·5 | 67 | 0 | 1 | 0·32 | - 0·22 | 0·7 | — | 6 | 0 | 34 | 51·2 | - 0·4 | 52·2 | 0·0 | Harrogate. |
| *p Buxton* | *987* | *58* | *12th* | *37* | *13th* | *53·1* | *43·7* | *48·3* | + *1·7* | *44* | *0* | *3* | *0·17* | - *0·90* | 1·2 | - 1·7 | 11 | 0 | 31 | 52·0 | | 53·1 | | Worksop. |
| *a*, East *a* Nottingham | 82 | 64 | 11th | 40 | 13, 14 | 58·0 | 45·7 | 51·7 | + 1·9 | 68 | 0 | 3 | *1·5* | - *0·29* | *1·5* | — | *14* | 0 | 32 | 49·6 | - 2·6 | 53·3 | +0·6 | *Buxton.* |
| *p* Birmingham, Edgbsn. | 535 | 60 | 11th | 43 | 12th | 55 3 | 47·0 | 51·0 | + 1·8 | 63 | 0 | 3 | 0·25 | - 0·29 | 1·3 | — | *12* | 0 | 35 | 51·9 | - 1·0 | 54·7 | - 0·5 | Nottingham. |
| *a* Raunds | 203 | 65 | 15th | 30 | 12th | 58·7 | 43·7 | 51·5 | + 1·7 | 67 | 0 | 2 | 0·47 | - 0·11 | 0·7 | — | 6 | 0 | 32 | 51·0 | - 0·7 | 52·8 | +0·2 | Birmingham. |
| *p* Oxford | 208 | 63 | 11th | 38 | 12th | 57 6 | 45·7 | 51·5 | + 1·2 | 67 | 0 | 3 | 1·26 | — | *1·9* | — | *17* | 1 | ? | 54·1 | | 56·0 | | *Raunds.* |
| | | | | | | | | | | | | | 0·99 | + 0·40 | 2·0 | - 1·6 | 18 | 1 | 30 | | | | | Oxford. |
| *a* Cheadle | 646 | 57 | 15th | 40 | 11th | 54·1 | 44·1 | 49·0 | + 0·8 | 49 | 0 | 2 | 0·46 | - 0·24 | 1·2 | — | 11 | 0 | 36 | 51·9 | - 0·8 | 53·5 | +0·6 | Sheffield. |
| *p* Shrewsbury | 191 | 60 | 12th | 41 | 12th | 56·4 | 45·7 | 50·9 | + 0 7 | *61* | 0 | 2 | 0·43 | — | | | | 0 | 38 | | | | | Cheadle. |
| *b*, West *a* Hereford§ | 291 | 59 | 12th | 40 | 11th | 55·1 | 45·6 | 50·2 | 0 0 | 57 | 0 | 3 | 0·51 | - 0·06 | *1·1* | — | *10* | 0 | 35 | | | | | Shrewsbury. |
| *a* Cirencester | 446 | 60 | 11th | 38 | 12th | 55·9 | 46·8 | 51·2 | + 1·9 | 64 | 0 | 3 | 0·61 | - 0·06 | 1·2 | - 2·3 | 11 | 0 | 34 | 52·9 | | 55·7 | | *Malvern.*§ |
| *a* Bath | 66 | 62 | 15th | 35 | 12th | 58·1 | 43·4 | 50·5 | - 1·0 | 60 | 0 | 3 | 0·51 | - 0·15 | 1·2 | — | 11 | 0 | 33 | 52·2 | | 54·3 | | Cirencester. |
| | | | | | | | | | | | | | | | | | | | | 53·1 | - 3·4 | 56·0 | - 1·9 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Kew | 18 | 61 | 11th | 32 | 12th | 57·6 | 46·1 | 51·7 | + 0·8 | 68 | 0 | 3 | 0·24 | - 0·34 | 0·7 | - 2·7 | 6 | 1 | 29 | 53·5 | - 1·7 | 53·5 | - 0·2 | Canterbury. |
| *a* Marlborough | 424 | 61 | 11th | 32 | 12th | 56·6 | 41·4 | 48·8 | 0·0 | 59 | 2 | 4 | 0·81 | + 0·16 | 2·1 | - 1·2 | 19 | 2 | 28 | 53·0 | - 4·5 | 54·4 | - 1·5 | Kew. |
| *a* Margate | 35 | 59 | 11, 13, 15 | 47 | 12th | 57·7 | 50·7 | 54·1 | + 1·4 | 65 | 0 | 3 | 0·59 | + 0·02 | 1 8 | - 2·0 | 17 | 0 | 42 | 51·9 | | 54·4 | | Marlborough. |
| *a* Wisley, Surrey | 150 | 64 | 11th | 29 | 12th | 57·9 | 43·9 | 50·7 | - 0·7 | 61 | 0 | 2 | 0·44 | — | 0·8 | — | 7 | 2 | 24 | 55·2 | +0·6 | 57·9 | +1·8 | Margate. |
| | | | | | | | | | | | | | | | 1·8 | — | 16 | 0 | 36 | 52·4 | - 2·4 | 54·8 | - 1·6 | Wisley. |
| *p* Salisbury (Wilton) | 180 | 61 | 11, 12 | 32 | 12th | 58·1 | 42·7 | 50·2 | - 0·2 | 57 | 0 | 4 | 0·64 | - 0·12 | | | | 1 | 30 | 52·9 | | | | Worthing. |
| *x* Tunbridge Wells | 354 | 59 | 12, 15 | 36 | 12th | 56·7 | 45·4 | 50·9 | + 0·5 | 62 | 0 | 3 | 0·45 | - 0·31 | 1·0 | - 2·9 | 9 | 1 | 26 | 53·1 | - 2·0 | 55·8 | | Salisbury. |
| *a* Dungeness | 21 | 59 | 15th | 49 | 11, 14, 15 | 56·6 | 50·3 | 53·4 | + 0·1 | 80 | 0 | 4 | 0·79 | + 0·14 | 1·5 | — | 14 | | | | | | | Tunbridge Wells |
| *p* Hastings | 178 | 58 | 11, 15 | 46 | 11, 12 | 56·6 | 49·0 | 52·7 | - 0·2 | 75 | 0 | 4 | 0·59 | - 0·23 | *1·5* | - *2·7* | *14* | 0 | 37 | 54·0 | | 57·1 | | Littlestone. |
| *p* Southampton | 65 | 61 | 11th | 43 | 12th | 57·6 | 48·1 | 52·7 | + 0·3 | 75 | 0 | 4 | 0·66 | - 0·08 | 1·3 | - 2·7 | 12 | 0 | 35 | | | | | *Hastings.* |
| *a* Ventnor | 80 | 60 | 11th | 47 | 14th | 57·7 | 51·3 | 54·4 | + 0·1 | 87 | 0 | 5 | 1·03 | + 0·45 | 1·6 | - 2·8 | 14 | | | | | | | Southampton. |
| | | | | | | | | | | | | | | | *1·2* | — | *11* | 0 | 39 | 54·0 | - 2·2 | 57·3 | - 0·7 | Ventnor. |
| | | | | | | | | | | | | | | | 1·6 | - 2·5 | 15 | | | 55·0 | | 58·1 | | *Portsmouth.* |
| | | | | | | | | | | | | | | | *1·9* | — | *17* | | | 52·9 | | 55·1 | | Eastbourne. |
| LONDON. | | | | | | | | | | | | | | | *1·9* | - *2·3* | *17* | 0 | 39 | | | 57·4 | | *Bournemouth.* |
| *a Westminster* | *27* | *61* | *11, 15, 16* | *39* | *12th* | *58·2* | *43·5* | *53·2* | + *2·6* | *78* | *0* | *2* | *0·20* | - *0·37* | *0·3* | - *2·2* | *3* | 0 | 33 | | | | | *Brighton.* |
| *a Greenwich* | *155* | *64* | *13, 14* | *35* | *13th* | *60·6* | *45·9* | *53·0* | + *1·4* | *77* | *0* | *3* | *0·19* | - *0·34* | *0·5* | - *3·0* | *5* | 2 | 25 | | | | | *Westminster.* |
| *a Hampstead* | *450* | *58* | *15, 16* | *38* | *13th* | *55·9* | *43·4* | *49·0* | — | *49* | *0* | *3* | *0·31* | — | *0·6* | — | *6* | 2 | 24 | | | | | *Greenwich.* |
| *a Camden Square* | *110* | *62* | *16th* | *35* | *13th* | *57·7* | *49·0* | *51·7* | — | *68* | *0* | *3* | *0·31* | — | *0·5* | — | *5* | 0 | 31 | | | | | *Hampstead.* |
| | | | | | | | | | | | | | | | *0·9* | — | *8* | 0 | 36 | 51·1 | - 0·4 | 52·9 | +0·2 | *Camden Square.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | 1·2 | — | 11 | | | | | | | *Burnley.* |
| *p* Aspatria | 250 | 58 | 12th | 39 | 14, 16 | 55·3 | 43·4 | 49·2 | + 0·4 | 50 | 0 | 2 | 0·10 | - 0·80 | 1·3 | — | 12 | 0 | 35 | 51·7 | | 53·0 | | Hoylake. |
| *p* Newton Rigg | 559 | 56 | 11-13, 15 | 41 | 11, 16 | 54·1 | 44·6 | 49·2 | + 1·7 | 50 | 0 | 1 | 0·03 | - 0·82 | 1·0 | - 2·0 | 9 | 1 | 30 | 51·8 | - 0·7 | 52·5 | - 0·5 | Aspatria. |
| *p* Stonyhurst | 375 | 57 | 11th | 44 | 11th | 55·7 | 47·9 | 51·7 | + 3·3 | 68 | 0 | 1 | 0·11 | - 0·94 | 0·7 | - 2·4 | 6 | 0 | 32 | | | | | Newton Rigg. |
| *p* Blackpool | 66 | 58 | 11th | 41 | 11th | 56·3 | 45·3 | 50·6 | + 0·3 | 60 | 0 | 1 | 0·17 | - 0·68 | 0·8 | - 2·6 | 7 | 0 | 34 | 53·2 | | 54·3 | | Stonyhurst. |
| *a Southport* | *37* | *58* | *11, 12* | *42* | *11th* | *56·6* | *48·4* | *51·4* | + *1·4* | *66* | *0* | *1* | *0·17* | - *0·64* | *1·4* | - *1·7* | *13* | 0 | 34 | 51·4 | -1·7 | 54·8 | - 0·6 | Blackpool. |
| *a* Liverpool (Bidston) | 188 | 58 | 12th | 47 | 11-14 | 56·0 | 47·6 | 51·7 | + 0·8 | 68 | 0 | 2 | 0·16 | - 0·59 | *1·1* | — | *10* | | | | | | | *Southport.* |
| *a Hawarden Bridge* | *22* | *61* | *12th* | *43* | *16th* | *57·1* | *48·6* | *51·7* | + *0·5* | *68* | *0* | *2* | *0·26* | - *0·39* | *0·7* | — | *6* | 0 | 36 | 52·5 | - 0·8 | 55·9 | +0·3 | *Liverpool.* |
| p Manchester (Whit. Pk.) | 125 | 60 | 12th | 42 | 11th | 57·4 | 48·5 | 52·8 | + 3·3 | 76 | 0 | 0 | 0·00 | - 0·70 | 0·8 | - 1·7 | 7 | | | | | | | *Manchester (City).* |
| | | | | | | | | | | | | | | | | | | | | | | | | " (Whit. Park). |
| *b* NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 61 | 12th | 46 | 11th | 57·6 | 49·0 | 53·2 | + 1·6 | 78 | 0 | 1 | 0·02 | - 0·77 | 1·3 | - 1·9 | 12 | | | | | | | Llandudno. |
| *a* Holyhead | 15 | 60 | 16th | 46 | 11th | 57·3 | 50·4 | 53·8 | + 2·0 | 83 | 0 | 1 | 0·02 | - 0·82 | *1·0* | — | *9* | | | | | | | *Holyhead.* |
| *Bettws-y-Coed* | *148* | *60* | *11, 12* | *40* | *11th* | *57·9* | *45·0* | *51·3* | + *0·4* | *65* | *0* | *2* | *0·21* | — | *1·7* | — | *16* | | | 51·4 | - 0·2 | 52·9 | 0·0 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 2·5 | — | 23 | | | | | | | Aberdovey. |

* For notes see also opposite page.

† At 3 ft.

§ The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| Districts and Names of Stations reporting Temperature of Air and Rainfall. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Average | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | Stations reporting Sunshine and Temperature on the Grass and in the Ground. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 2·8 | — | 26 | | | | | | | |
| *a* Llangammarch Wells | 550 | 60 | 12th | 36 | 11th | 55·6 | 43·4 | 49·3 | + 0·9 | 51 | 0 | 3 | 0·30 | — | 1·3 | — | 12 | 0 | 33 | 50·5 | -2·5 | 52·8 | -1·0 | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 60 | 16th | 48 | 13, 17 | 58·0 | 50·0 | 53·9 | + 1·3 | 83 | 0 | 1 | 0·09 | - 0·71 | 3·2 | - 0·5 | 29 | | | | | | | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 59 | 12th | 45 | 12th | 55·7 | 47·8 | 51·5 | + 1·3 | 67 | 0 | 3 | 0·30 | - 0·71 | *1·4* | — | *13* | 0 | 40 | 53·3 | -1·1 | 55·9 | 0·0 | Pembroke. |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | *Cardiff.* |
| *a* Clifton .. .. .. | 229 | 60 | 12th | 43 | 12, 14 | 56·6 | 46·6 | 51·5 | + 0·9 | 67 | 0 | 3 | 0·31 | - 0·49 | *1·2* | — | *11* | | | | | | | |
| *a* Shaftesbury .. .. | 722 | 56 | 11, 15, 17 | 42 | 12th | 54·4 | 43·9 | 49·0 | - 1·1 | 49 | 0 | 3 | 0·68 | - 0·08 | | | | | | 53·0 | | 56·7 | | *Clifton.* |
| *a* Arlington .. .. | 613 | 59 | 11th | 44 | 11th | 56·4 | 47·4 | 51·8 | + 2·0 | 69 | 0 | 4 | 0·74 | - 0·66 | | | | | | | | | | Shaftesbury. |
| *a Newquay* .. .. | *190* | *61* | *11, 16* | *41* | *11th* | *58·4* | *48·4* | *53·3* | *+ 0·1* | *79* | *0* | *2* | *0·81* | *+ 0·04* | 3·7 | - 0·2 | 34 | 0 | 36 | 54·8 | | 56·9 | | Arlington. |
| *a* Cullompton .. .. | 202 | 59 | 11th | 38 | 12th | 57·0 | 44·4 | 50·5 | - 0·1 | 60 | 0 | 4 | 0·71 | - 0·08 | 0·9 | - 2·5 | 8 | 0 | 31 | 53·3 | | | | Newquay. |
| *a* Portland Bill .. .. | 19 | 60 | 12th | 48 | 15th | 57·3 | 50·1 | 53·6 | 0 0 | 81 | 0 | 4 | 0·32 | — | *1·0* | — | *9* | | | | | | | Cullompton. |
| *p* Plymouth .. .. | 116 | 62 | 11th | 47 | 11th | 58·9 | 49·7 | 54·2 | + 1·6 | 85 | 0 | 2 | 0·06 | - 0·74 | 3·2 | - 0·5 | 29 | | | 54·2 | -1·9 | | | *Weymouth.* |
| *a* Falmouth .. .. | 167 | 62 | 11th | 45 | 11th | 59·0 | 47·9 | 53·3 | + 0·4 | 79 | 0 | 2 | 0·36 | - 0·66 | 3·4 | - 0·5 | 31 | 0 | 36 | 56·7 | | 59·0 | | Plymouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | Falmouth. |
| *a*, West .. { *a* Malin Head .. .. | 208 | 59 | 16th | 42 | 15, 16 | 55·7 | 45·9 | 50·7 | + 0·5 | 61 | 0 | 4 | 0·20 | - 0·52 | *4·8* | — | *45* | | | | | | | |
| *a* Blacksod Point .. | 37 | | | | | | | | | | | | | | | | | | | | | | | *Malin Head.* |
| *p* Markree Castle .. | 122 | 58 | 15th | 27 | 15th | 56·1 | 35·9 | 45·7 | - 2·9 | 52 | 17 | 4 | 0·36 | - 0·55 | 2·7 | - 0·3 | 25 | 3 | 24 | 53·8 | | 55·7 | | |
| *a* Birr Castle .. .. | 175 | 61 | 17th | 29 | 15, 16 | 57·9 | 40·3 | 48·8 | + 0·2 | 55 | 5 | 3 | 0·26 | - 0·37 | *3·6* | *+ 0·2* | *33* | | | | | | | Markree Castle. |
| *b*, East .. { *p* Armagh .. .. | 196 | 60 | 17th | 31 | 15th | 57·1 | 42·7 | 49·7 | + 0·9 | 54 | 0 | 5 | 0·38 | - 0·22 | 2·9 | - 0·2 | 27 | 1 | 27 | 52·8 | -0·6 | 54·9 | +0·3 | *Birr Castle.* |
| *a* Donaghadee .. .. | 101 | 59 | 17th | 47 | 11, 14, 15 | 55·0 | 48·3 | 51·6 | + 1·4 | 67 | 0 | 4 | 0·57 | - 0·05 | | | | 0 | 35 | 54·3 | +0·2 | 55·2 | +0·2 | Armagh. |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 1·6 | - 2·1 | 15 | 1 | 28 | | | | | *Trinity Coll.* |
| *p* Dublin, City .. .. | 47 | 61 | 12th | 39 | 14th | 57·0 | 47·9 | 52·3 | + 1·4 | 72 | 0 | 2 | 0·10 | - 0·47 | | | | 0 | 37 | | | | | Phœnix Park. |
| *a*, East .. { *a* Kilkenny .. .. | 212 | 60 | 16th | 36 | 15th | 57·6 | 44·7 | 51·0 | + 1·2 | 63 | 0 | 1 | 0·15 | - 0·50 | | | | | | | | | | Dublin City. |
| *a* Waterford .. .. | 30 | 63 | 11, 17 | 38 | 14, 15 | 59·1 | 45·9 | 52·3 | + 1·8 | 72 | 0 | 1 | 0·03 | - 0·79 | | | | | | | | | | |
| *a Seskin, Carrick-on-Suir* | *641* | *59* | *17th* | *36* | *15th* | *55·6* | *44·6* | *49·9* | — | *55* | *0* | *1* | *0·04* | — | *3·7* | — | *34* | 0 | 33 | | | | | |
| *a* Birr Castle .. .. | 175 | 61 | 17th | 29 | 15, 16 | 57·9 | 40·3 | 48·8 | + 0·2 | 55 | 5 | 3 | 0·26 | - 0·37 | 3·6 | + 0·2 | 33 | | | | | | | *Seskin.* |
| *a* Foynes .. .. | 50 | 59 | 17th | 37 | 17th | 55·0 | 44·0 | 49·3 | - 1·5 | 51 | 0 | 3 | 0·32 | - 0·50 | | | | | | | | | | |
| *b*, West .. { *a* Cahir .. .. | 199 | 61 | 11, 16 | 29 | 15th | 58·3 | 43·3 | 50·6 | - 0·1 | 60 | 0 | 2 | 0·11 | — | | | | | | | | | | Birr Castle. |
| *a* Killarney .. .. | 174 | 65 | 16, 17 | 33 | 15th | 58·9 | 42·1 | 50·3 | - 0·5 | 58 | 0 | 3 | 0·89 | - 0·28 | | | | | | | | | | |
| *a* Valencia .. .. | 30 | 60 | 17th | 36 | 16, 17 | 56·9 | 43·7 | 50·1 | - 2·6 | 57 | 0 | 3 | 2·76 | + 1·61 | 4·8 | + 1·3 | 44 | | | | | | | |
| *a* Roche's Point .. | 32 | 60 | 15, 16, 17 | 43 | 15, 16 | 58·3 | 48·4 | 53·2 | + 1·1 | 78 | 0 | 3 | 0·23 | - 0·62 | 3·7 | — | 34 | | | | | | | Valencia. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | Ballinacurra. |
| *a* Scilly, St. Mary's .. | 131 | 61 | 11th | 50 | 13, 14, 17 | 59·0 | 51·3 | 55·0 | + 0·3 | 91 | 0 | 3 | 0·35 | - 0·41 | 4·3 | + 0·1 | 39 | | | | | | | |
| *a* Jersey, St. Aubins .. | 25 | 62 | 11, 12 | 42 | 16th | 60·3 | 45·0 | 52·4 | - 3·1 | 73 | 0 | 2 | 0·59 | - 0·34 | 4·5 | 0·0 | 41 | | | | | | | Scilly. |
| *a* Guernsey (Villa Carey) | 180 | 66 | 11th | 47 | 16th | 60·3 | 49·6 | 54·8 | - 0·2 | 90 | 0 | 3 | 0·71 | - 0·23 | 3·5 | - 0·7 | 32 | 0 | 43 | 56·5 | -1·5 | 59·2 | -0·2 | St. Heliers. |
| | | | | | | | | | | | | | | | | | | | | | | | | Guernsey.* |

Additional Sunshine Means:—*Bognor, 1·9 hrs. 17 %; Ramsgate, 2·1 hrs. 19 %; Rhyl, 1·1 hrs. 10 %; Salcombe, 3·1 hrs. 28 %; Tenby, 2·7 hrs. (−1·1) 25 %; Torquay, 2·5 hrs. (−1·4) 23 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Oct. 17th.

Taken daily at or about sunrise and at 4 p.m.

| District and Station. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | 51 | 51 | 51·0 | +0·3 |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | 49 | 48 | 49·0 | -3·1 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 57 | 55 | 56·2 | +3·6 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 49 | 46 | 47·7 | -3·5 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 59 | 55 | 57·2 | -0·9 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 57 | 56 | 56·1 | -2·5 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 57 | 55 | 55·8 | +0·9 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 57 | 50 | 53·6 | — |
| Plymouth‡ .. .. | 59 | 58 | 58·2 | +1·3 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | — | — | — | — |
| Seafield .. .. | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of WIND RECORDS from PRESSURE TUBE ANEMOGRAPHS. [1914.]

Week ending at midnight (24h.) on Saturday, October 17th.

| District and Station. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| 1. SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | — | — | 7 | 161 | S. 7 | 13th 13h. | 15 11th 17. 45 |
| Aberdeen .. .. | 105 | — | — | — | — | 33 | 135 | SSE. 8 | 11th 13h. | 14 12th 13. 20 |
| Rosyth .. .. | 73 | — | — | — | — | — | — | — — | — — | — — — |
| 6. SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | — | — | 32 | 136 | NE. by N. 9 | 14th 11h. | 14 14th 10. 50 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 6 | 162 | SW. by S. 8 | 12th 9h. | 16 12th 6. 40 |
| 2. ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 3 | 165 | N. 6 | 14th 5h. | 12 14th 11. 25 |
| South Shields .. | 61 | — | — | — | — | 27 | 141 | NNE. 9 | 15th 1h. | 11 14th 8. 45 |
| Spurn Head .. | 40 | — | — | — | — | 33§ | 120§ | NNE. 10 | 14th 20h. | 14 14th 21. 30 |
| 3. ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | — | — | 82 | 86 | — 10 | 16th 21h. | 13 16th 17. 10 |
| Shoeburyness .. | 90 | — | — | — | — | 20 | 148 | NE. 9 | 17th 13h. | 12 17th 10. 30 |
| 4. MIDLAND COUNTIES. | | | | | | | | | | |
| Pyrton Hill .. | 45 | | | Records discontinued after March 14. | | | | | | |
| 5. ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | — | — | 43 | 125 | — 10 | 17th 10h. | 15 17th 11. 20 |
| Warlingham .. | 33 | — | — | — | — | — | 168 | — 5 | 17th 11h. | 11 17th 10. 50 |
| Brighton .. .. | 53 | — | — | — | — | 11 | 157 | — 7 | 15th 7h. | 12 15th 6. 55 |
| Kew .. .. .. | 65 | — | — | — | — | 4 | 164 | NE. by E. 6 | 17th 11h. | 10 17th 11. 10 |
| South Kensington | 92 | — | — | — | — | — | 168 | NE. 4 | 16th 16h. | 8 17th 14. 5 |
| 7. ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | — | 168 | N. by E. 5 | 14th 14h. | 8 11th 12. 45 |
| Southport .. .. | 62 | — | — | — | — | 50 | 118 | N. by W. 9 | 14th 15h. | 15 15th 9. 5 |
| Holyhead .. .. | 40 | — | — | 13, 14 | 13 | 90 | 65 | N. 13 | 14th 4h. | 17 14th 4. 20 |
| 8. ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | — | — | 12, 14, 15 | 7 | 99 | 62 | N. 13 | 14th 11h. | 19 14th 10. 30 |
| Plymouth .. .. | 86 | — | — | — | — | 39 | 129 | — 8 | 12th 13h. | 12 15th 2. 10 |
| 10. IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 13th | 5 | 61 | 102 | — 11 | 13th 14h. | 17 13th 11. 30 |
| Weaver Pt. .. | 30 | — | — | 13th | 1 | 64 | 103 | — 11 | 13th 17h. | 16 13th 17. 10 |
| 11. ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | — | — | — | — | — — | — — | — — — |

§ From the beginning of the year to May 9th the records at Kew refer to an anemograph about ½ mile East of the Observatory with a vane 40 ft. above ground. Since that date the vane has been on the same level as the Robinson Cups, 65 above the ground.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

## [Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**FORTY-FIRST WEEK**—October 11th to October 17th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 59 | 30 | 54·8 | 41·7 | 47·8 | + 1·1 | 42 | + 2 | 1 | − 5 | 3 | − 2 | 0·33 | −0·92 | 3·0 | +0·5 | 28 | 1017 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 64 | 19 | 55·9 | 39·1 | 47·3 | + 0·4 | 49 | + 6 | 8 | + 1 | 2 | − 2 | 0·17 | −0·57 | 2·4 | −0·6 | 22 | 1018 |
| 2. ENGLAND, N.E. ... ... | 64 | 35 | 56·4 | 46·8 | 51·5 | + 2·7 | 67 | + 17 | 0 | − 3 | 2 | − 2 | 0·18 | −0·48 | 1·5 | −1·8 | 14 | 1019 |
| 3. ENGLAND, EAST ... | 65 | 29 | 58·3 | 46·1 | 52·0 | + 2·2 | 70 | + 11 | 0 | − 4 | 3 | − 1 | 0·33 | −0·30 | 1·8 | −1·8 | 17 | 1017 |
| 4 MIDLAND COUNTIES ... | 65 | 30 | 56·6 | 45·2 | 50·8 | + 2·2 | 62 | + 9 | 0 | − 5 | 2 | − 2 | 0·53 | −0·14 | 1·2 | −2·0 | 11 | 1018 |
| 5. ENGLAND, S.E. ... ... | 64 | 29 | 57·3 | 46·9 | 52·0 | + 0·9 | 70 | + 3 | 0 | − 3 | 4 | 0 | 0·62 | −0·10 | 1·6 | −2·1 | 14 | 1016 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 61 | 29 | 55·5 | 43·3 | 49·2 | + 0·9 | 50 | + 1 | 0 | − 4 | 3 | − 1 | 0·38 | −0·73 | 1·1 | −1·8 | 10 | 1019 |
| 7. ENGLAND, N.W. ... ... | 61 | 39 | 56·2 | 47·1 | 51·5 | + 1·9 | 67 | + 12 | 0 | − 1 | 1 | − 4 | 0·08 | −0·85 | 1·3 | −1·7 | 12 | 1018 |
| 8. ENGLAND, S.W. ... ... | 62 | 36 | 56·9 | 47·1 | 51·9 | + 1·0 | 69 | + 5 | 0 | − 2 | 3 | − 1 | 0·38 | −0·65 | 2·6 | −0·9 | 24 | 1017 |
| 9. IRELAND, NORTH ... | 61 | 27 | 56·4 | 42·6 | 49·3 | + 0·6 | 51 | + 1 | 0 | − 2 | 4 | − 1 | 0·35 | −0·53 | 2·8 | −0·1 | 26 | 1018 |
| 10. IRELAND, SOUTH ... | 65 | 29 | 57·7 | 44·5 | 50·9 | + 0·8 | 62 | + 3 | 0 | − 2 | 2 | − 2 | 0·54 | −0·33 | 3·4 | −0·1 | 32 | 1019 |
| 11. ENGLISH CHANNEL ... | 66 | 42 | 59·9 | 48·6 | 54·1 | − 0·2 | 85 | − 1 | 0 | 0 | 3 | − 2 | 0·55 | −0·33 | 4·1 | −0·1 | 37 | 1015 |

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 7 Weeks, August 30th to October 17th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 75 | 30 | * | * | * | * | 466 | + 23 | 1 | −11 | 30 | − 4 | 4·36 | −3·59 | 3·1 | −0·1 | 25 | 1016 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 76 | 19 | * | * | * | * | 490 | + 12 | 8 | − 7 | 18 | −11 | 1·62 | −2·76 | 3·8 | 0·0 | 31 | 1017 |
| 2. ENGLAND, N.E. ... ... | 82 | 31 | * | * | * | * | 612 | + 52 | 0 | − 5 | 15 | −10 | 1·55 | −2·09 | 4·7 | +0·5 | 38 | 1020 |
| 3. ENGLAND, EAST ... | 82 | 29 | * | * | * | * | 663 | + 28 | 0 | − 7 | 16 | − 8 | 1·45 | −2·12 | 5·2 | +0·5 | 42 | 1020 |
| 4. MIDLAND COUNTIES ... | 82 | 28 | * | * | * | * | 630 | + 48 | 11 | + 1 | 14 | −10 | 1·65 | −2·17 | 4·7 | +0·5 | 38 | 1020 |
| 5. ENGLAND, S.E. ... ... | 82 | 28 | * | * | * | * | 686 | − 7 | 1 | − 3 | 13 | −11 | 1·68 | −2·50 | 5·9 | +1·1 | 48 | 1020 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 77 | 28 | * | * | * | * | 556 | + 38 | 0 | − 7 | 19 | −10 | 3·06 | −4·18 | 3·8 | −0·1 | 31 | 1019 |
| 7. ENGLAND, N.W. ... ... | 77 | 29 | * | * | * | * | 625 | + 39 | 0 | − 2 | 18 | −10 | 3·29 | −2·21 | 4·5 | +0·5 | 36 | 1020 |
| 8. ENGLAND, S.W. ... ... | 80 | 29 | * | * | * | * | 674 | + 28 | 0 | − 2 | 17 | −10 | 2·81 | −2·97 | 5·3 | +0·8 | 43 | 1021 |
| 9. IRELAND, NORTH ... | 75 | 27 | * | * | * | * | 591 | + 51 | 0 | − 3 | 22 | −10 | 2·35 | −3·35 | 3·5 | −0·1 | 28 | 1019 |
| 10. IRELAND, SOUTH ... | 78 | 29 | * | * | * | * | 677 | + 76 | 0 | − 3 | 18 | − 9 | 3·66 | −1·54 | 3·9 | −0·3 | 32 | 1021 |
| 11. ENGLISH CHANNEL ... | 82 | 39 | * | * | * | * | 808 | + 19 | 0 | 0 | 18 | −11 | 3·98 | −0·80 | 5·8 | +0·2 | 47 | 1021 |

THE YEAR.—Aggregates, &c., for the Period of 41 Weeks, January 4th, 1914, to October 17th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 2112 | +197 | 392 | −177 | 184 | − 5 | 33·71 | −4·54 | 3·5 | 0·0 | 27 | 1010 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 2384 | +226 | 500 | −135 | 142 | −15 | 20·28 | −2·96 | 4·4 | +0·2 | 33 | 1011 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 2833 | +426 | 299 | −181 | 127 | −14 | 16·09 | −2·37 | 4·8 | +0·2 | 37 | 1014 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 3124 | +344 | 299 | −229 | 123 | −13 | 15·12 | −2·82 | 5·3 | +0·4 | 41 | 1015 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 3016 | +305 | 378 | −165 | 127 | − 8 | 17·59 | −2·35 | 4·7 | +0·3 | 36 | 1015 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 3205 | +216 | 241 | −144 | 120 | −10 | 19·00 | −0·63 | 5·7 | +0·7 | 44 | 1016 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 2539 | +212 | 317 | −115 | 159 | − 5 | 29·99 | −4·96 | 4·3 | 0·0 | 32 | 1012 |
| 7. ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 2841 | +293 | 227 | −161 | 142 | − 9 | 23·45 | −2·37 | 4·8 | +0·4 | 36 | 1014 |
| 8. ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 3049 | +224 | 192 | −111 | 149 | + 1 | 29·71 | +2·17 | 5·1 | +0·2 | 39 | 1015 |
| 9. IRELAND, NORTH ... | 80 | 25 | * | * | * | * | 2622 | +201 | 246 | −102 | 174 | − 5 | 26·38 | −2·23 | 4·0 | 0·0 | 30 | 1012 |
| 10. IRELAND, SOUTH ... | 81 | 24 | * | * | * | * | 3032 | +251 | 174 | − 88 | 169 | +11 | 29·79 | +0·30 | 4·5 | 0·0 | 34 | 1014 |
| 11. ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 3454 | +210 | 72 | − 37 | 143 | −14 | 24·23 | +1·43 | 5·7 | −0·3 | 44 | 1016 |

M.O., October 14, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report. They are expressed in millibars (1000 = 29·531 mb mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) } No. 42. FORTY-SECOND WEEK, SUNDAY, OCTOBER 18TH, TO SATURDAY, OCTOBER 24TH, 1914.

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## I.—Remarks on Wind and Weather.

In a few isolated localities the rainfall exceeded the normal, but over the Kingdom generally it was below normal, the deficit being very marked in Scotland North and West, England North-West and Ireland North. In several parts of western Scotland the weather was rainless. The eastern half of Great Britain, on the other hand, experienced rain on most days, and at some stations the fall was heavy. At Rothamsted the excess over the average for the week was 0·3 in., Cheadle 0·5 in., Margate 0·6 in. and Marlborough 0·9 in. Much cloud prevailed generally, some places in England and Scotland having less than an hour per day of bright sunshine, Huddersfield, Buxton, Manchester and Sheffield less than ½ hour. In Scotland North, England North-West and Ireland South the duration exceeded the normal; a few places recorded above 4 hours per day, and Aspatria and Aberystwyth rather more than 5 hours. Gales were recorded in the South-West of England and in Ireland.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | 0. Scotland, N. | 1. Scotland, E. | 2. England, N.E. | 3. England, E. | 4. Midland Counties. | 5. England, S.E. | 6. Scotland, W. | 7. England, N.W. | 8. England, S.W. | 9. Ireland, N. | 10. Ireland, S. | 11. English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Moderate | Unusual | Moderate | Unusual | Moderate | Moderate | Moderate | Unusual | Moderate | Unusual |
| | Rainfall ... | Very light | Light | Very light | Moderate | Moderate | Moderate | Very light | Very light | Moderate | Very light | Light | Moderate |
| | Sunshine ... | Moderate | Scanty | Scanty | Very scanty | Scanty | Scanty | Moderate | Abundant | Moderate | Moderate | Moderate | Moderate |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 8 weeks from Aug. 30th, 1914. | Warmth ... | 3·2 | 3·1 | 4·1 | 4·1 | 3·1 | 3·2 | 3·2 | 4·2 | 2·1 | 5·1 | 3·1 | 3·1 |
| | Rainfall ... | 1·6 | 1·7 | 1·6 | 0·5 | 0·4 | 0·4 | 1·6 | 2·6 | 2·5 | 0·6 | 2·6 | 2·3 |
| | Sunshine ... | 3·3 | 2·4 | 2·3 | 2·3 | 3·3 | 4·2 | 1·2 | 4·1 | 3·3 | 1·2 | 1·2 | 2·2 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6·0 | 8·0 | 8·0 | 10·0 | 11·0 | 11·0 | 6·0 | 9·0 | 9·0 | 8·0 | 9·2 | 11·0 |
| | Rainfall ... | 4·4 | 2·4 | 4·6 | 5·6 | 5·4 | 5·5 | 2·4 | 4·6 | 3·5 | 3·2 | 7·1 | 4·3 |
| | Sunshine ... | 5·4 | 5·6 | 6·3 | 4·1 | 4·3 | 5·2 | 1·4 | 6·3 | 4·6 | 2·5 | 2·6 | 2·4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6·3 | 7·2 | 7·2 | 9·3 | 7·4 | 7·4 | 4·2 | 8·3 | 7·4 | 7·2 | 7·4 | 6·4 |
| | Rainfall ... | 5·2 | 5·4 | 1·7 | 3·9 | 2·8 | 3·5 | 5·4 | 5·6 | 3·5 | 5·5 | 4·6 | 5·7 |
| | Sunshine ... | 3·1 | 2·2 | 1·2 | 3·4 | 2·6 | 4·4 | 2·6 | 2·0 | 3·5 | 1·9 | 1·7 | 2·5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3·1 | 6·0 | 8·1 | 8·2 | 6·1 | 7·1 | 5·3 | 5·1 | 8·1 | 6·3 | 6·2 | 9·1 |
| | Rainfall ... | 5·2 | 5·5 | 4·6 | 4·5 | 4·5 | 5·4 | 6·4 | 4·5 | 7·6 | 5·5 | 4·6 | 6·5 |
| | Sunshine ... | 4·4 | 4·2 | 3·2 | 6·5 | 4·5 | 4·1 | 4·2 | 4·2 | 4·2 | 4·4 | 4·4 | 4·4 |
| SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. | Warmth ... | 5·0 | 6·3 | 6·1 | 6·1 | 5·2 | 5·2 | 7·2 | 5·1 | 5·2 | 6·1 | 4·2 | 5·3 |
| | Rainfall ... | 2·4 | 2·4 | 3·5 | 3·5 | 3·4 | 2·4 | 2·7 | 4·3 | 5·3 | 2·7 | 4·2 | 7·3 |
| | Sunshine ... | 6·2 | 4·3 | 4·5 | 5·3 | 6·5 | 5·2 | 3·4 | 6·4 | 3·5 | 5·3 | 4·4 | 1·6 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**
**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**
**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(2979—17.) Wt. 229—611. 450. 10/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | | | ° | ° | ° | ° | |
| **0. SCOTLAND, N.** | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | *53* | *20, 24* | *46* | *19, 20* | *51·3* | *47·1* | *49·1* | — | *50* | *0* | *5* | *0·44* | — | *1·6* | — | *16* | • | • | 48·8 | • | • | • | *Baltasound.* |
| *a* Lerwick | 54 | 51 | 22nd | 44 | 19, 22 | 49·4 | 46·1 | 47·7 | + 2·0 | 40 | 0 | 4 | 0·40 | — | 1·4 | - 1·2 | 14 | • | • | • | • | • | • | Deerness. |
| *a* Stornoway | 51 | 58 | 20, 23 | 42 | 19, 22 | 54·9 | 44·0 | 49·3 | + 3·4 | 51 | 0 | 2 | 0·02 | - 1·26 | 4·2 | + 1·5 | 42 | • | • | • | • | • | • | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *55* | *18–20, 24* | *47* | *19th* | *54·4* | *49·4* | *51·8* | + 3·6 | *69* | *0* | *1* | *0·04* | — | *1·2* | — | *12* | • | • | • | • | • | • | *Castlebay.* |
| *a* Wick | 81 | 53 | 20th | 37 | 21st | 51·9 | 42·7 | 47·2 | + 0·9 | 36 | 0 | 4 | 0·21 | - 0·52 | • | • | • | • | • | • | • | • | • | |
| *p* Strathpeffer | 200 | 55 | 19th | 36 | 22nd | 52·7 | 38·7 | 45·5 | + 0·2 | 38 | 9 | 2 | 0·06 | - 0·60 | 2·1 | - 0·8 | 21 | • | • | • | • | • | • | Strathpeffer. |
| *p* Glencarron | 500 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *p* Fort Augustus | 68 | 59 | 20th | 37 | 19th | 54·9 | 42·6 | 48·6 | + 2·8 | 46 | 0 | 1 | 0·03 | - 0·93 | 2·5 | + 0·5 | 25 | • | • | • | • | • | • | Fort Augustus. |
| *p* Fort William | 171 | 55 | 20, 22, 23 | 36 | 19th | 53·0 | 42·3 | 47·5 | + 0·4 | 39 | 0 | 1 | 0·01 | - 1·72 | • | • | • | • | • | • | • | • | • | |
| **1. SCOTLAND, E.** | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle | 101 | 57 | 18th | 35 | 19th | 54·6 | 38·6 | 46·4 | - 0·5 | 45 | 10 | 5 | 0·36 | - 0·41 | 1·0 | — | 10 | 1 | 22 | 49·0 | -0·5 | 51·4 | 0·0 | Crathes S. |
| *a* Nairn | 82 | 55 | 19th | 32 | 23rd | 52·4 | 35·3 | 43·6 | - 2·6 | 39 | 19 | 2 | 0·05 | - 0·49 | *3·1* | — | *31* | • | • | • | • | • | • | *Gordon Castle.* |
| *a* Aberdeen | 46 | 55 | 22, 23 | 34 | 20th | 53·4 | 42·1 | 47·6 | + 0·7 | 39 | 0 | 5 | 0·39 | - 0·27 | 2·4 | — | 24 | • | • | • | • | • | • | Nairn. |
| *a* Balmoral | 930 | 59 | 18th | 23 | 19th | 55·0 | 35·3 | 44·9 | + 2·1 | 48 | 19 | 4 | 0·74 | - 0·11 | 0·7 | - 2·5 | 7 | • | • | • | • | 50·6 | +0·1 | Aberdeen. |
| *p* Crieff | 432 | 57 | 24th | 33 | 19th | 53·4 | 40·7 | 46·9 | + 0·1 | 40 | 4 | 5 | 0·44 | - 0·43 | • | • | • | 4 | 19 | • | • | • | • | Balmoral. |
| *a* Leith | 18 | 58 | 20th | 35 | 20th | 53·9 | 42·3 | 47·9 | - 0·3 | 41 | 0 | 4 | 0·13 | - 0·35 | 2·9 | — | 29 | • | • | • | • | • | • | Balruddery. |
| *a* West Linton | 770 | 57 | 23rd | 23 | 19th | 52·4 | 36·1 | 44·0 | - 1·2 | 39 | 17 | 3 | 0·18 | — | *2·7* | — | *26* | • | • | • | • | • | • | |
| *p* Marchmont | 498 | 56 | 20th | 37 | 19th | 52·7 | 40·4 | 46·4 | + 0·8 | 38 | 4 | 5 | 0·41 | - 0·41 | 2·1 | - 0·7 | 20 | 3 | 22 | • | • | • | • | *West Linton.* |
| *a Edinburgh* | *441* | *55* | *23rd* | *38* | *19th* | *52·4* | *43·0* | *47·6* | — | *39* | *0* | *3* | *0·11* | — | 3·9 | — | 38 | 1 | 32 | • | • | • | • | Marchmont. |
| | | | | | | | | | | | | | | | | | | 1 | 30 | • | • | • | • | Edinburgh. |
| **6. *a*, SCOTLAND, W.** | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 57 | 23rd | 35 | 19th | 52·6 | 42·1 | 47·2 | - 0·4 | 36 | 0 | 0 | 0·00 | - 1·14 | • | • | • | • | • | • | • | • | • | |
| *p* Glasgow Observatory | 180 | 55 | 23rd | 35 | 19th | 52·6 | 42·9 | 47·6 | + 1·0 | 39 | 0 | 1 | 0·01 | - 0·76 | 1·7 | - 0·6 | 17 | 1 | 25 | • | • | • | • | Glasgow. |
| *p* Rothesay | 90 | 55 | 20, 23, 24 | 35 | 19th | 53·1 | 42·6 | 47·7 | + 0·1 | 40 | 0 | 0 | 0·00 | - 0·97 | *1·7* | — | *17* | 0 | 34 | 49·1 | • | 51·9 | +0·4 | *Rothesay.* |
| *a* Kilmarnock | 90 | 57 | 23, 24 | 34 | 19th | 54·3 | 39·0 | 46·4 | - 0·6 | 43 | 8 | 0 | 0·00 | — | *1·9* | — | *18* | • | • | • | • | • | • | *Kilmarnock.* |
| *a* Colmonell | 170 | 61 | 23, 24 | 34 | 20th | 57·1 | 38·3 | 47·4 | 0·0 | 53 | 10 | 0 | 0·00 | - 1·02 | • | • | • | 3 | 28 | • | • | • | • | |
| *p* Dumfries | 160 | 60 | 24th | 31 | 19th | 54·6 | 38·4 | 46·3 | - 0·7 | 45 | 10 | 1 | 0·05 | - 0·78 | *3·1* | — | *30* | 2 | 26 | 48·8 | • | 53·2 | • | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 61 | 18th | 30 | 19th | 55·1 | 38·9 | 46·8 | - 0·1 | 47 | 9 | 1 | 0·01 | - 1·09 | • | • | • | • | • | • | • | • | • | |
| **b. I. OF MAN.** | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 57 | 23rd | 42 | 24th | 55·4 | 45·1 | 50·1 | + 2·0 | 57 | 0 | 1 | 0·02 | - 1·02 | *3·1* | - 0·1 | 30 | 0 | 35 | • | • | • | • | Douglas. |
| **2. ENGLAND, N.E.** | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 55 | 18, 19, 24 | 33 | 20th | 53·7 | 40·4 | 46·9 | - 0·3 | 41 | 4 | 3 | 0·19 | - 0·65 | 1·6 | — | 16 | 0 | 32 | 47·9 | -0·5 | 51·0 | +0·4 | Cockle Park. |
| *a* Tynemouth | 72 | 56 | 18th | 39 | 20th | 54·1 | 43·6 | 48·7 | + 0·8 | 47 | 0 | 3 | 0·12 | - 0·58 | *1·1* | — | *11* | • | • | • | • | • | • | *Tynemouth.* |
| *p* Durham | 336 | 55 | 23, 24 | 35 | 20th | 53·3 | 40·7 | 46·8 | - 0·2 | 39 | 4 | 4 | 0·12 | - 0·62 | 1·2 | - 1·7 | 12 | 1 | 30 | • | • | • | • | Durham. |
| *a*, North ..< *p* Rounton | 249 | 57 | 18th | 23 | 20, 24 | 54·7 | 38·1 | 46·2 | - 0·6 | 46 | 11 | 2 | 0·04 | - 0·68 | • | • | • | 2 | 30 | 50·5 | • | • | • | Rounton. |
| *a West Witton* | *605* | *58* | *18th* | *34* | *24th* | *53·6* | *40·4* | *46·8* | — | *40* | *4* | *4* | *0·33* | — | • | • | • | 3 | 28 | 49·6 | • | 51·0 | • | *West Witton.* |
| *p* Scarborough | 100 | 60 | 19th | 41 | 24th | 55·6 | 46·1 | 50·7 | + 2·1 | 51 | 0 | 4 | 0·17 | - 0·58 | 2·1 | — | 20 | • | • | • | • | 54·3† | • | Scarborough. |
| *p* York | 56 | 59 | 19th | 35 | 24th | 55·3 | 41·1 | 48·0 | - 0·2 | 46 | 3 | 3 | 0·09 | - 0·51 | 2·0 | - 0·7 | 19 | • | • | 51·7 | -0·7 | 53·8 | +0·1 | York. |
| | | | | | | | | | | | | | | | *1·4* | — | *14* | 0 | 33 | 48·3 | -2·6 | 53·0 | -0·3 | *Hull.* |
| *a* Spurn Head | 26 | 58 | 19, 20 | 43 | 19th | 56·0 | 46·9 | 51·3 | + 1·4 | 65 | 0 | 5 | 0·25 | - 0·30 | *3·6* | — | *25* | • | • | • | • | • | • | *Spurn Head.* |
| *b*, South ..< *a* Lincoln | 58 | 59 | 19th | 36 | 22nd | 55·3 | 43·1 | 49·0 | + 0·8 | 49 | 0 | 4 | 0·51 | - 0·07 | • | • | • | • | • | 49·7 | -2·0 | 54·2 | +0·3 | Lincoln. |
| *a* Fulbeck | 180 | 59 | 18, 19 | 33 | 19th | 55·0 | 40·1 | 47·3 | - 0·5 | 45 | 5 | 5 | 0·39 | - 0·20 | 1·9 | — | 18 | 0 | 32 | 51·1 | -0·5 | 54·8 | +0·5 | Rauceby. |
| | | | | | | | | | | | | | | | 2·7 | — | 26 | • | • | • | • | • | • | Skegness. |
| **3. ENGLAND, E.** | | | | | | | | | | | | | | | *1·1* | — | *11* | 0 | 36 | 53·0 | -0·9 | 55·6 | -0·3 | *Lowestoft.* |
| *p* Cromer | 196 | 57 | 20th | 41 | 22nd | 55·1 | 47·6 | 51·2 | + 2·9 | 64 | 0 | 5 | 0·51 | — | 1·4 | — | 14 | • | • | • | • | • | • | Cromer. |
| *p* Little Massingham | 280 | 56 | 18, 19, 21 | 39 | 22nd | 54·7 | 44·0 | 49·2 | + 0·8 | 50 | 0 | 6 | 0·42 | - 0·28 | 1·6 | — | 15 | 0 | 32 | • | • | • | • | Lit. Massingham. |
| *a*, North ..< *a* Yarmouth | 17 | 59 | 23rd | 42 | 22nd | 56·3 | 47·6 | 51·8 | + 2·1 | 69 | 0 | 7 | 0·39 | - 0·31 | 1·3 | — | 13 | • | • | 53·0 | -1·1 | 55·7 | -0·5 | Yarmouth. |
| *a* Norwich | 93 | 58 | 23, 24 | 37 | 22nd | 55·6 | 45·6 | 50·5 | + 1·9 | 60 | 0 | 6 | 0·76 | — | *0·7* | — | *7* | 0 | 33 | 50·7 | • | • | • | *Norwich.* |
| *a* Geldeston | 37 | 60 | 23, 24 | 34 | 22nd | 57·6 | 46·1 | 51·7 | + 2·3 | 68 | 0 | 7 | 0·62 | - 0·05 | 1·4 | - 2·1 | 14 | • | • | • | • | • | • | Geldeston. |
| *p* Cambridge | 41 | 59 | 23, 24 | 40 | 22nd | 57·0 | 44·4 | 50·5 | + 1·9 | 60 | 0 | 4 | 0·69 | + 0·16 | 1·0 | - 2·4 | 10 | 1 | 29 | 51·7 | -1·4 | 55·1 | -0·6 | Cambridge. |
| *a Felixstowe* | *10* | *59* | *19th* | *47* | *21, 22* | *56·6* | *49·3* | *52·8* | + 2·3 | *76* | *0* | *7* | *0·62* | — | *1·3* | — | *13* | • | • | • | • | • | • | *Felixstowe.* |
| *b*, South ..< a Clacton-on-Sea | 54 | 59 | 19th | 45 | 21st | 56·6 | 48·7 | 52·5 | + 2·2 | 74 | 0 | 5 | 0·37 | — | 0·7 | — | 7 | 0 | 42 | 52·8 | -2·6 | 56·0 | -0·2 | Clacton. |
| *a* Rothamsted | 424 | 60 | 24th | 34 | 22nd | 57·1 | 44·1 | 50·4 | + 2·2 | 69 | 0 | 4 | 0·97 | + 0·30 | 1·9 | - 1·6 | 18 | • | • | • | • | • | • | Rothamsted. |
| *a Shoeburyness* | *13* | *59* | *19th* | *44* | *21st* | *56·6* | *47·9* | *52·1* | + 1·2 | *71* | *0* | *6* | *0·41* | - *0·06* | *0·9* | — | *9* | 0 | 39 | 53·3 | -2·7 | • | • | *Southend.* |
| *p* Tottenham | 51 | 65 | 24th | 43 | 21st | 58·6 | 46·4 | 52·3 | + 3·7 | 72 | 0 | 1 | 0·10 | — | 0·9 | — | 9 | 0 | 35 | • | • | 56·4 | -0·9 | Tottenham. |
| **4. MIDLAND COUNTIES.** | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate | 476 | 58 | 18th | 38 | 22, 24 | 53·1 | 41·0 | 46·9 | + 0·1 | 39 | 3 | 3 | 0·15 | - 0·59 | *0·4* | — | *4* | 0 | 32 | 49·3 | -2·0 | 52·7 | -0·1 | *Huddersfield.* |
| *a* Bawtry | 65 | 60 | 19th | 35 | 20th | 53·1 | 39·6 | 46·2 | - 1·1 | 39 | 7 | 3 | 0·27 | - 0·30 | 1·2 | — | 12 | 1 | 29 | 50·2 | -0·3 | 51·9 | +0·5 | Harrogate. |
| *p Buxton* | *987* | *54* | *18th* | *33* | *20th* | *50·6* | *40·4* | *45·4* | + *0·6* | *31* | *4* | *4* | *0·72* | - *0·46* | 1·6 | - 1·1 | 15 | 1 | 29 | 50·1 | • | 52·6 | • | Worksop. |
| *a*, East ..< *a* Nottingham | 82 | 58 | 19th | 32 | 20th | 54·7 | 38·9 | 46·6 | - 1·4 | 45 | 9 | *0·4* | 0·29 | - 0·26 | *0·4* | — | *4* | 1 | 29 | 50·2 | • | 52·7 | +0·5 | *Buxton.* |
| *p* Birmingham, Edgbsn. | 535 | 58 | 23rd | 40 | 20th | 54·4 | 45·4 | 49·8 | + 2·1 | 55 | 0 | 4 | 0·37 | - 0·23 | 1·5 | — | 14 | 0 | 36 | 49·3 | -2·0 | 53·9 | -0·4 | Nottingham. |
| *a* Raunds | 203 | 61 | 23rd | 34 | 19th | 56·3 | 41·1 | 48·5 | + 0·4 | 49 | 3 | 3 | 0·33 | — | 0·9 | — | 9 | 1 | 27 | 49·7 | -0·7 | 52·3 | +0·1 | Birmingham. |
| *p* Oxford | 208 | 59 | 23, 24 | 37 | 19th | 57·3 | 44·6 | 50·8 | + 2·4 | 62 | 0 | 4 | 1·22 | + 0·62 | *1·6* | — | *15* | 3 | 27 | 53·0 | • | 55·6 | • | *Raunds.* |
| | | | | | | | | | | | | | | | 1·8 | - 0·5 | 17 | 1 | 30 | • | • | • | • | Oxford. |
| *a* Cheadle | 646 | 55 | 18th | 39 | 20th | 52·7 | 43·7 | 48·1 | + 1·7 | 43 | 0 | 4 | 1·17 | + 0·47 | 0·2 | — | 2 | 0 | 32 | 49·9 | -1·2 | 52·8 | -0·1 | Sheffield. |
| *p* Shrewsbury | 191 | 60 | 23rd | 33 | 20th | 56·9 | 43·0 | 49·7 | + 1·7 | 54 | 0 | 4 | 0·32 | — | • | • | • | 0 | 38 | • | • | • | • | Cheadle. |
| *b*, West ..< *a* Hereford§ | 291 | 58 | 23rd | 32 | 20th | 55·7 | 43·0 | 49·2 | + 0·8 | 50 | 0 | 5 | 0·79 | + 0·20 | • | • | • | ? | ? | • | • | • | • | Shrewsbury. |
| *a* Cirencester | 446 | 58 | 23rd | 42 | 19th | 55·0 | 46·5 | 50·6 | + 3·1 | 60 | 0 | 4 | 0·67 | - 0·01 | *2·3* | — | *23* | 1 | 26 | 51·4 | • | 54·7 | • | *Malvern.*§ |
| *a* Bath | 66 | 60 | 19th | 37 | 19, 20 | 57·3 | 43·1 | 50·0 | + 0·4 | 56 | 0 | 4 | 0·47 | - 0·20 | 2·4 | - 0·8 | 23 | 0 | 35 | 51·2 | • | 53·6 | • | Cirencester. |
| | | | | | | | | | | | | | | | 2·2 | — | 21 | • | • | • | • | • | • | Bath. |
| **5. ENGLAND, S.E.** | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Kew | 18 | 62 | 24th | 43 | 21st | 57·3 | 46·7 | 51·8 | + 2·8 | 69 | 5 | 3 | 0·34 | - 0·27 | • | • | • | 0 | 37 | 52·4 | -1·4 | 55·6 | -0·2 | Canterbury. |
| *a* Marlborough | 424 | 58 | 24th | 30 | 19th | 56·0 | 40·7 | 48·1 | + 1·0 | 48 | 4 | 4 | 1·66 | + 0·93 | 1·6 | - 1·5 | 15 | 1 | 30 | 50·9 | -3·1 | 53·6 | -1·7 | Kew. |
| *a* Margate | 35 | 60 | 23rd | 48 | 22nd | 56·9 | 50·0 | 53·4 | + 2·4 | 80 | 0 | 5 | 1·20 | + 0·58 | 1·6 | - 1·5 | 15 | 2 | 27 | 51·5 | • | 53·9 | • | Marlborough. |
| *a* Wisley, Surrey | 150 | 61 | 24th | 35 | 19th | 57·0 | 44·4 | 50·5 | + 0·7 | 60 | 0 | 3 | 0·32 | — | 0·9 | - 2·6 | 9 | 0 | 45 | 53·6 | +0·4 | 56·0 | +0·5 | Margate. |
| | | | | | | | | | | | | | | | 1·9 | — | 18 | 2 | 27 | 51·1 | -2·2 | 54·1 | -1·5 | Wisley. |
| *p* Salisbury (Wilton) | 180 | 61 | 23rd | 36 | 19th | 58·4 | 43·0 | 50·5 | + 2·0 | 60 | 0 | 5 | 1·06 | + 0·26 | 2·6 | — | 25 | 0 | 39 | 52·7 | -2·5 | 55·8 | -1·2 | Worthing. |
| *a* Tunbridge Wells | 354 | 63 | 24th | 42 | 21, 22 | 57·9 | 45·6 | 51·6 | + 2·9 | 67 | 0 | 5 | 0·45 | - 0·35 | • | • | • | 0 | 32 | 52·4 | • | • | • | Salisbury. |
| *a* Dungeness | 21 | 60 | 24th | 46 | 21st | 57·1 | 49·1 | 53·0 | + 1·1 | 77 | 0 | 6 | 0·63 | - 0·07 | 1·3 | - 2·2 | 13 | 0 | 33 | 51·9 | -1·9 | 55·0 | • | Tunbridge Wells |
| *p* Hastings | 178 | 61 | 23rd | 45 | 21st | 57·6 | 48·7 | 53·0 | + 1·9 | 77 | 0 | 7 | 0·38 | - 0·46 | • | • | • | • | • | • | • | • | • | Littlestone. |
| *p* Southampton | 65 | 62 | 23rd | 43 | 19th | 59·0 | 47·9 | 53·3 | + 2·5 | 79 | 0 | 5 | 0·52 | - 0·28 | *1·2* | - *2·7* | *11* | 0 | 40 | 53·0 | • | 56·1 | • | *Hastings.* |
| *a* Ventnor | 80 | 61 | 23rd | 43 | 19th | 58·1 | 48·7 | 53·3 | + 0·8 | 79 | 0 | 4 | 0·30 | - 0·24 | 3·2 | - 0·4 | 31 | 0 | 35 | • | • | • | • | Southampton. |
| | | | | | | | | | | | | | | | 2·8 | - 1·1 | 26 | • | • | • | • | • | • | Ventnor. |
| | | | | | | | | | | | | | | | *2·0* | — | *19* | 0 | 38 | 52·9 | -2·0 | 56·4 | -0·9 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 2·4 | - 1·4 | 23 | • | • | 54·3 | • | 57·1 | • | Eastbourne. |
| **LONDON.** | | | | | | | | | | | | | | | *3·5* | — | *33* | • | • | 52·0 | • | 54·3 | • | *Bournemouth.* |
| *a Westminster* | *27* | *63* | *24th* | *46* | *19, 21* | *59·1* | *48·8* | *53·8* | + *5·0* | *83* | *0* | *3* | *0·22* | - *0·37* | *2·2* | - *1·7* | *21* | 0 | 41 | • | • | 56·3 | • | *Brighton.* |
| *a Greenwich* | *155* | *63* | *24th* | *42* | *22nd* | *58·6* | *46·3* | *52·3* | + *3·0* | *72* | *0* | *3* | *0·13* | - *0·43* | *1·3* | - *0·9* | *13* | 0 | 40 | • | • | • | • | *Westminster.* |
| *a Hampstead* | *450* | *59* | *24th* | *40* | *21st* | *55·4* | *43·2* | *49·1* | — | *50* | *0* | *3* | *0·25* | — | *0·9* | - *2·1* | *9* | 1 | 30 | • | • | • | • | *Greenwich.* |
| *a Camden Square* | *110* | *63* | *24th* | *44* | *19, 21, 22* | *59·0* | *47·1* | *52·9* | — | *76* | *0* | *5* | *0·29* | — | *1·2* | — | *12* | 1 | 31 | • | • | • | • | *Hampstead.* |
| | | | | | | | | | | | | | | | *1·0* | — | *10* | 0 | 39 | • | • | • | • | *Camden Square.* |
| | | | | | | | | | | | | | | | *1·0* | — | *10* | 2 | 29 | 49·1 | -1·0 | 52·2 | +0·1 | *Burnley.* |
| **7. *a*, ENGLAND, N.W.** | | | | | | | | | | | | | | | 3·0 | — | 29 | • | • | • | • | • | • | Hoylake. |
| *p* Aspatria | 250 | 57 | 18, 20 | 34 | 19th | 55·4 | 36·9 | 45·9 | - 1·2 | 49 | 14 | 2 | 0·07 | - 0·85 | 5·2 | — | 51 | 1 | 29 | 48·4 | • | 52·4 | • | Aspatria. |
| *p* Newton Rigg | 559 | 58 | 24th | 30 | 24th | 53·9 | 34·7 | 44·0 | - 1·8 | 45 | 20 | 4 | 0·13 | - 0·74 | 3·2 | + 0·5 | 31 | 7 | 24 | 48·1 | -2·9 | 51·7 | -0·5 | Newton Rigg. |
| *p* Stonyhurst | 375 | 56 | 18th | 36 | 24th | 53·4 | 41·6 | 47·3 | + 0·4 | 39 | 1 | 5 | 0·09 | - 0·99 | 1·5 | - 1·3 | 14 | 2 | 28 | • | • | • | • | Stonyhurst. |
| *p* Blackpool | 66 | 58 | 18th | 36 | 24th | 55·1 | 40·9 | 47·8 | - 0·9 | 45 | 3 | 2 | 0·06 | - 0·80 | 3·4 | + 0·4 | 23 | 0 | 31 | 51·1 | • | 53·8 | • | Blackpool. |
| *a Southport* | *37* | *57* | *18th* | *36* | *24th* | *54·9* | *40·6* | *47·6* | - *0·9* | *44* | *4* | *1* | *0·04* | - *0·78* | *2·9* | + *0·1* | *28* | 1 | 30 | 48·3 | -2·8 | 53·6 | -0·5 | *Southport.* |
| *a* Liverpool (Bidston) | 188 | 57 | 18th | 42 | 20, 21 | 54·7 | 44·6 | 49·5 | 0·0 | 53 | 0 | 2 | 0·12 | - 0·65 | *3·1* | — | *30* | • | • | • | • | • | • | *Liverpool.* |
| *a Hawarden Bridge* | *22* | *59* | *18th* | *35* | *20th* | *55·7* | *43·1* | *48·7* | - *0·9* | *47* | *0* | *4* | *0·18* | - *0·51* | *0·3* | — | *3* | 0 | 31 | 51·5 | -0·2 | 55·1 | +0·2 | *Manchester (City).* |
| *p* Manchester (Whit. Pk.) | 125 | 59 | 18th | 39 | 20th | 55·0 | 43·4 | 49·0 | + 1·2 | 49 | 0 | 3 | 0·08 | - 0·64 | *0·3* | - *1·9* | *3* | 0 | • | • | • | • | • | " (Whit. Park) |
| **b NORTH WALES.** | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 58 | 22nd | 40 | 30th | 55·6 | 45·4 | 50·4 | - 0·3 | 59 | 0 | 2 | 0·14 | - 0·69 | 3·7 | + 0·9 | 36 | • | • | • | • | • | • | Llandudno. |
| *a* Holyhead | 15 | 61 | 22nd | 43 | 20, 21 | 58·0 | 46·6 | 52·1 | + 1·6 | 71 | 0 | 2 | 0·12 | - 0·75 | *4·0* | — | *39* | • | • | • | • | • | • | *Holyhead.* |
| *Bettws-y-Coed* | *148* | *57* | *22-24* | *34* | *20th* | *55·7* | *41·1* | *48·2* | - *1·6* | *47* | *3* | *3* | *0·19* | — | *2·9* | — | *28* | • | • | 49·3 | -1·1 | 52·0 | -0·4 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 5·2 | — | 50 | • | • | • | • | • | • | Aberdovey. |

* For notes see also opposite page. † At 3 ft. § The temperature on the grass refers to Hereford.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Llangammarch Wells | 550 | 57 | 18th | 33 | 20th | 54·3 | 39·4 | 46·6 | − 0·1 | 43 | 7 | 3 | 1·11 | — | 2·3 | — | 22 | 1 | 29 | 49·6 | −2·3 | 52·2 | −1·2 | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 60 | 19th | 44 | 20th | 57·3 | 48·7 | 52·9 | + 1·6 | 76 | 0 | 5 | 0·52 | − 0·35 | 2·3 | − 1·1 | 22 | * | * | * | * | * | * | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 56 | 18, 19, 22 | 41 | 20th | 54·4 | 45·3 | 49·7 | + 1·3 | 54 | 0 | 4 | 0·78 | − 0·26 | *2·0* | — | *19* | 0 | 36 | 51·5 | −1·5 | 55·0 | 0·0 | Pembroke. |
| | | | | | | | | | | | | | | | | | | | | | | | | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 57 | 23, 24 | 41 | 20th | 54·1 | 46·1 | 50·0 | + 1·3 | 56 | 0 | 4 | 0·60 | − 0·23 | *2·6* | * | 25 | 0 | 36 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 723 | 57 | 23rd | 40 | 19th | 54·7 | 43·4 | 48·9 | + 0·4 | 48 | 0 | 4 | 1·03 | + 0·23 | * | * | * | * | * | 51·6 | * | 55·5 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 61 | 24th | 39 | 18th | 55·7 | 44·1 | 49·7 | + 1·2 | 54 | 0 | 3 | 0·50 | − 0·96 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a* *Newquay* .. .. | *190* | *59* | *19, 23, 24* | *40* | *18, 20* | *57·6* | *45·9* | *51·6* | *− 0·3* | *67* | *0* | *6* | *0·62* | *− 0·15* | 3·9 | + 0·3 | 37 | 0 | 34 | 53·4 | * | 56·1 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 61 | 23rd | 37 | 18th | 57·9 | 42·6 | 50·0 | + 0·8 | 56 | 0 | 5 | 0·93 | + 0·09 | 2·3 | − 0·8 | 22 | 3 | 29 | 51·8 | * | * | * | Cullompton. |
| *a* Portland Bill .. .. | 19 | 59 | 19, 24 | 46 | 19th | 57·3 | 49·3 | 53·2 | + 0·8 | 78 | 0 | 4 | 0·47 | — | *3·6* | * | *34* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 62 | 24th | 42 | 20th | 58·1 | 48·3 | 53·1 | + 1·9 | 78 | 0 | 4 | 0·91 | + 0·08 | 3·0 | − 0·5 | 28 | * | * | 52·4 | −2·5 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 61 | 23rd | 43 | 20, 21 | 58·4 | 46·1 | 52·1 | + 0·5 | 71 | 0 | 5 | 1·18 | + 0·10 | 3·6 | − 0·2 | 34 | 0 | 34 | 54·9 | * | 57·6 | * | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| a, West .. *a* Malin Head .. .. | 208 | 60 | 19th | 44 | 19th | 55·4 | 46·1 | 50·6 | + 1·7 | 60 | 0 | 0 | 0·00 | − 0·72 | *3·4* | * | *33* | * | * | * | * | * | * | *Malin Head.* |
| *a* Blacksod Point .. | 37 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | |
| *p* Markree Castle .. | 122 | 61 | 19th | 36 | 21th | 56·6 | 43·0 | 49·6 | + 2·4 | 53 | 0 | 1 | 0·03 | + 0·90 | 2·1 | − 0·8 | 20 | 0 | 33 | 52·7 | * | 54·7 | * | Markree Castle. |
| *a* Birr Castle .. .. | 175 | 60 | 19th | 38 | 23, 24 | 57·6 | 42·1 | 49·6 | + 2·4 | 53 | 0 | 2 | 0·18 | + 0·47 | *4·2* | *+ 1·0* | *40* | * | * | * | * | * | * | *Birr Castle.* |
| b, East .. *p* Armagh .. .. | 196 | 61 | 19th | 37 | 20th | 55·0 | 43·9 | 49·3 | + 2·0 | 51 | 0 | 2 | 0·03 | − 0·57 | 2·6 | − 0·3 | 25 | 0 | 31 | 51·7 | −0·3 | 53·8 | 0·0 | Armagh. |
| *a* Donaghadee .. .. | 101 | 60 | 19th | 46 | 19th | 54·9 | 48·3 | 51·5 | + 2·6 | 67 | 0 | 0 | 0·00 | + 0·63 | * | * | * | * | * | * | * | * | * | |
| | | | | | | | | | | | | | | | * | * | * | 0 | 31 | 52·5 | −0·2 | 54·2 | 0·0 | *Trinity Coll.* |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 2·9 | − 0·6 | 28 | 1 | 26 | * | * | * | * | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 58 | 18, 19 | 39 | 20th | 56·0 | 46·7 | 51·2 | + 2·0 | 64 | 0 | 2 | 0·12 | − 0·47 | * | * | * | 0 | 37 | * | * | * | * | Dublin City. |
| a, East .. *a* Kilkenny .. .. | 212 | 59 | 18th | 38 | 19th | 57·3 | 41·4 | 49·1 | + 1·0 | 52 | 2 | 3 | 0·37 | − 0·28 | * | * | * | * | * | * | * | * | * | |
| *a* Waterford .. .. | 30 | 59 | 22nd | 37 | 19th | 56·9 | 42·6 | 49·5 | + 0·4 | 53 | 0 | 3 | 0·78 | − 0·02 | * | * | * | * | * | * | * | * | * | |
| *a* *Seskin, Carrick-on-Suir* | *541* | *59* | *18th* | *40* | *20th* | *55·4* | *44·1* | *49·6* | — | *53* | *0* | *6* | *0·71* | — | *2·3* | * | *22* | 1 | 30 | * | * | * | * | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 60 | 19th | 38 | 23, 24 | 57·6 | 42·1 | 49·6 | + 2·4 | 53 | 0 | 2 | 0·16 | − 0·47 | 4·2 | + 1·0 | 40 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes .. .. .. | 50 | 60 | 18th | 36 | 19th | 56·9 | 43·0 | 49·7 | + 0·2 | 54 | 0 | 1 | 0·25 | − 0·59 | * | * | * | * | * | * | * | * | * | |
| b, West .. *a* Cahir .. .. | 199 | 59 | 19th | 34 | 19th | 56·4 | 41·1 | 48·5 | − 0·9 | 49 | 3 | 4 | 0·44 | — | * | * | * | * | * | * | * | * | * | |
| *a* Killarney .. .. | 174 | 64 | 18th | 43 | 18, 19, 24 | 60·5 | 44·9 | 52·5 | + 3·2 | 74 | 0 | 3 | 0·34 | + 0·86 | * | * | * | * | * | * | * | * | * | |
| *a* Valencia .. .. | 30 | 62 | 18th | 41 | 18th | 57·3 | 46·1 | 51·5 | + 0·2 | 67 | 0 | 4 | 0·87 | + 0·32 | 3·6 | + 0·3 | 35 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. .. | 32 | 61 | 24th | 44 | 19th | 57·4 | 46·9 | 52·0 | + 1·1 | 70 | 0 | 7 | 0·39 | − 0·50 | 3·5 | * | 34 | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 60 | 19, 23, 24 | 48 | 18, 20 | 58·9 | 50·1 | 54·4 | + 1·0 | 87 | 0 | 3 | 0·64 | − 0·15 | 4·7 | + 0·9 | 44 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 63 | 24th | 51 | 19, 21, 22 | 59·3 | 52·4 | 55·8 | + 2·0 | 97 | 0 | 4 | 0·43 | + 0·57 | 2·6 | − 1·5 | 25 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 64 | 24th | 49 | 19th | 60·6 | 51·1 | 55·7 | + 2·1 | 96 | 0 | 5 | 0·86 | − 0·16 | 3·2 | − 0·7 | 30 | 0 | 42 | 55·1 | −1·6 | 58·0 | −0·6 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 3·8 hrs. 26 %; Ramsgate, 1·3 hrs. 13 %; Rhyl, 3·9 hrs. 38 %; Salcombe, 3·8 hrs. 36 %; Tenby, 3·0 hrs. (−0·5) 29 %; Torquay, 3·7 hrs. (+0·1) 35 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Oct. 24th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | ? | ? | ? | ? |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 57 | 54 | 55·5 | +3·8 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 49 | 46 | 47·2 | −3·3 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 57 | 56 | 56·9 | −0·3 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 55 | 53 | 54·3 | −3·0 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 56 | 54 | 54·9 | +0·7 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 57 | 52 | 56·1 | — |
| Plymouth‡ .. .. | 58 | 57 | 57·1 | +0·7 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | — | — | — | — |
| Seafield .. .. | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of WIND RECORDS from PRESSURE TUBE ANEMOGRAPHS. [1914.]

Week ending at midnight (24h.) on Saturday, October 24th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr | hr. | hr. | m/s. | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | — | — | 9 | 159 | ESE. 7 | 21st 19h. | 15 21st 19 . 10 |
| Aberdeen .. .. | 105 | — | — | 21st | 8 | 46 | 114 | ESE. 14 | 21st 19h. | 19 21st 19 . 30 |
| Rosyth .. .. | 73 | — | — | — | — | 11 | 157 | SE. by E. 9 | 21st 12h. | 13 21st 12 . 35 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | — | — | 11 | 157 | E. 7 | 21st 12h. | 12 22nd 15 . 30 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 4 | 164 | SSE. 6 | 21st 12h. | 12 21st 14 . 5 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 1 | 167 | SE. by E. 6 | 21st 10h. | 19 22nd 13 . 5 |
| South Shields .. | 61 | — | — | — | — | 38 | 130 | ESE. 9 | 22nd 17h. | 13 21st 6 . 0 |
| Spurn Head .. | 40 | — | — | — | — | 46§ | 87§ | SE. by S. 10 | 22nd 12h. | 14 22nd 14 . 0 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 22nd | 2 | 108 | 58 | — 11 | 22nd 15h. | 16 20th 18 . 5 |
| Shoeburyness .. | 90 | — | — | — | — | 44 | 124 | SSE. 10 | 22nd 10h. | 12 22nd 12 . 50 |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 18th | 1 | 75 | 92 | — 11 | 18th 12h. | 16 22nd 23 . 55 |
| Warlingham .. | 33 | — | — | — | — | 5 | 163 | — 6 | 23rd 1h. | 11 22nd 7 . 50 |
| Brighton .. .. | 53 | — | — | — | — | — | — | — — | — — | — — — |
| Kew† .. .. | 65 | — | — | — | — | 1 | 167 | ENE. 6 | 20th 13h. | 12 22nd 9 . 20 |
| South Kensington | 92 | — | — | — | — | — | 168 | ENE. 5 | 20th 12h. | 12 22nd 15 . 55 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | — | 168 | E. by S. 4 | 21st 12h. | 9 22nd 8 . 35 |
| Southport .. .. | 62 | — | — | — | — | 35 | 133 | ESE. 10 | 22nd 9h. | 16 22nd 8 . 50 |
| Holyhead .. .. | 40 | — | — | — | — | 65 | 103 | E. 10 | 21st 7h. | 14 22nd 6 . 35 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle.. | 65 | 21, 22 | 5 | 21, 22 | 29 | 50 | 84 | SW. 19 | 22nd 12h. | 26 22nd 12 . 40 |
| Plymouth .. .. | 86 | — | — | 21, 22 | 16 | 18 | 134 | — 14 | 22nd 14h. | 22 22nd 1 . 30 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 21, 22 | 18 | 52 | 98 | — 13 | 21st 15h. | 20 21st 15 . 5 |
| Weaver Pt. .. | 30 | 21st | 1 | 21, 22 | 16 | 27 | 124 | — 17 | 21st 23h. | 25 21st 23 . 35 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly.. .. .. | 19 | — | — | 21, 22 | 22 | 40 | 106 | SE. 15 | 21st 21h. | 21 21st 21 . 10 |

† Until May 9th the anemograph was about ½ mile East of the Observatory with a vane 40 ft. above the ground. The instrument now used is on the Observatory Building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day. The rims of the gauges are 1 foot above the ground.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

## [Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**FORTY-SECOND WEEK**—October 18th to October 24th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest. | Lowest. | Means of | | | | Accumulated Number of Day-Degrees. | | | | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | | | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | | | | | | | | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 59 | 36 | 52·8 | 42·7 | 47·5 | + 1·9 | 89 | + 4 | 0 | − 9 | 2 | − 3 | 0·12 | −0·98 | 2·6 | +0·1 | 25 | 1018 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 59 | 23 | 53·5 | 38·9 | 46·0 | + 0·6 | 41 | + 4 | 9 | − 2 | 4 | 0 | 0·34 | −0·32 | 2·2 | −0·6 | 22 | 1018 |
| 2. ENGLAND, N.E. ... ... | 60 | 33 | 54·8 | 42·2 | 48·3 | + 0·8 | 44 | + 1 | 0 | − 5 | 4 | 0 | 0·21 | −0·53 | 1·9 | −1·1 | 19 | 1017 |
| 3. ENGLAND, EAST ... | 65 | 34 | 56·5 | 46·1 | 51·1 | + 2·8 | 64 | + 13 | 0 | − 6 | 5 | + 1 | 0·54 | −0·11 | 1·3 | −2·1 | 12 | 1016 |
| 4 MIDLAND COUNTIES ... | 61 | 32 | 55·1 | 42·7 | 48·8 | + 1·6 | 48 | + 2 | 0 | − 8 | 6 | 0 | 0·55 | −0·11 | 1·5 | −1·5 | 14 | 1016 |
| 5. ENGLAND, S.E. ... ... | 63 | 30 | 57·5 | 46·5 | 51·9 | + 2·2 | 69 | + 11 | 0 | − 4 | 5 | + 2 | 0·69 | −0·04 | 2·0 | −1·4 | 20 | 1016 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 61 | 30 | 54·4 | 40·9 | 47·4 | + 0·3 | 42 | − 1 | 3 | − 4 | 1 | − 3 | 0·01 | −1·01 | 2·4 | −0·3 | 23 | 1018 |
| 7. ENGLAND, N.W. ... ... | 61 | 30 | 55·1 | 41·8 | 48·3 | 0·0 | 45 | − 3 | 1 | − 3 | 3 | 0 | 0·10 | −0·76 | 3·4 | +0·7 | 33 | 1016 |
| 8. ENGLAND, S.W. ... ... | 62 | 33 | 56·2 | 45·3 | 50·6 | + 0·9 | 60 | + 2 | 0 | − 3 | 4 | 0 | 0·80 | −0·21 | 3·2 | −0·1 | 31 | 1014 |
| 9. IRELAND, NORTH ... | 61 | 36 | 55·9 | 44·7 | 50·1 | + 2·6 | 57 | + 12 | 0 | − 5 | 1 | − 3 | 0·04 | −0·77 | 2·4 | −0·6 | 23 | 1015 |
| 10. IRELAND, SOUTH ... | 64 | 34 | 57·4 | 43·9 | 50·4 | + 1·5 | 59 | + 5 | 0 | − 4 | 3 | − 1 | 0·41 | −0·47 | 3·6 | +0·3 | 34 | 1014 |
| 11. ENGLISH CHANNEL ... | 64 | 48 | 59·6 | 51·2 | 55·3 | + 2·1 | 93 | + 15 | 0 | 0 | 4 | − 1 | 0·64 | −0·28 | 3·5 | −0·5 | 33 | 1014 |

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 8 Weeks, August 30th to October 24th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 75 | 30 | * | * | * | * | 505 | + 27 | 1 | −20 | 32 | − 7 | 4·48 | −4·57 | 3·0 | −0·1 | 25 | 1016 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 76 | 19 | * | * | * | * | 531 | + 16 | 17 | − 9 | 22 | −11 | 1·96 | −3·08 | 3·6 | −0·1 | 29 | 1018 |
| 2. ENGLAND, N.E. ... ... | 82 | 31 | * | * | * | * | 656 | + 53 | 0 | −10 | 19 | −10 | 1·78 | −2·60 | 4·4 | +0·3 | 36 | 1019 |
| 3. ENGLAND, EAST ... | 82 | 29 | * | * | * | * | 727 | + 41 | 0 | −13 | 21 | − 7 | 1·99 | −2·23 | 4·7 | +0·2 | 39 | 1019 |
| 4. MIDLAND COUNTIES ... | 82 | 28 | * | * | * | * | 678 | + 50 | 11 | − 7 | 18 | −10 | 2·20 | −2·28 | 4·3 | +0·3 | 36 | 1020 |
| 5. ENGLAND, S.E. ... ... | 82 | 28 | * | * | * | * | 755 | + 4 | 1 | − 7 | 18 | − 9 | 2·37 | −2·54 | 5·5 | +0·9 | 45 | 1020 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 77 | 28 | * | * | * | * | 598 | + 37 | 3 | −11 | 20 | −13 | 3·07 | −5·19 | 3·7 | −0·1 | 30 | 1019 |
| 7. ENGLAND, N.W. ... ... | 77 | 29 | * | * | * | * | 670 | + 36 | 1 | − 5 | 21 | −10 | 3·38 | −2·98 | 4·3 | +0·5 | 36 | 1019 |
| 8. ENGLAND, S.W. ... ... | 80 | 29 | * | * | * | * | 734 | + 30 | 0 | − 5 | 21 | −10 | 3·61 | −3·18 | 5·0 | +0·6 | 42 | 1020 |
| 9. IRELAND, NORTH ... | 75 | 27 | * | * | * | * | 648 | + 63 | 0 | − 8 | 23 | −13 | 2·39 | −4·12 | 3·3 | −0·2 | 28 | 1018 |
| 10. IRELAND, SOUTH ... | 78 | 29 | * | * | * | * | 736 | + 81 | 0 | − 7 | 21 | −10 | 4·07 | −2·01 | 3·9 | −0·2 | 32 | 1020 |
| 11. ENGLISH CHANNEL ... | 82 | 39 | * | * | * | * | 901 | + 34 | 0 | 0 | 22 | −12 | 4·62 | −1·08 | 5·5 | +0·1 | 46 | 1020 |

THE YEAR.—Aggregates, &c., for the Period of 42 Weeks, January 4th, 1914, to October 24th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 2151 | +201 | 392 | −186 | 186 | − 8 | 33·83 | −5·52 | 3·5 | 0·0 | 27 | 1010 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 2425 | +220 | 509 | −137 | 146 | −15 | 20·62 | −3·28 | 4·3 | +0·1 | 33 | 1012 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 2877 | +427 | 299 | −186 | 131 | −14 | 16·32 | −2·88 | 4·8 | +0·3 | 37 | 1014 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 3188 | +357 | 299 | −235 | 128 | −12 | 15·66 | −2·93 | 5·2 | +0·3 | 40 | 1015 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 3064 | +307 | 378 | −173 | 131 | − 8 | 18·14 | −2·46 | 4·6 | +0·2 | 35 | 1015 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 3274 | +227 | 241 | −148 | 125 | − 8 | 19·69 | −0·67 | 5·6 | +0·6 | 44 | 1016 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 2581 | +211 | 320 | −119 | 160 | − 8 | 30·00 | −5·97 | 4·2 | −0·1 | 32 | 1012 |
| 7. ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 2886 | +290 | 228 | −164 | 145 | − 9 | 23·54 | −3·14 | 4·7 | +0·4 | 36 | 1014 |
| 8. ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 3109 | +226 | 192 | −114 | 153 | + 1 | 30·51 | +1·96 | 5·1 | +0·2 | 39 | 1015 |
| 9. IRELAND, NORTH ... | 80 | 25 | * | * | * | * | 2689 | +213 | 246 | −107 | 175 | − 8 | 26·42 | −3·00 | 3·9 | 0·0 | 30 | 1012 |
| 10. IRELAND, SOUTH ... | 81 | 24 | * | * | * | * | 3091 | +256 | 174 | − 92 | 172 | +10 | 30·20 | −0·17 | 4·4 | −0·1 | 34 | 1014 |
| 11. ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 3547 | +225 | 72 | − 37 | 147 | −15 | 24·87 | +1·15 | 5·7 | −0·2 | 44 | 1016 |

M.O., October 28, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report. They are expressed in millibars (1000 = 29·531 mb mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 169

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.: or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH: or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 43. FORTY-THIRD WEEK, SUNDAY, OCTOBER 25TH, TO SATURDAY, OCTOBER 31ST, 1914. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

Considered generally the weather was mild and rainy in Great Britain, and cool and rainy in Ireland. The greatest excess of temperature over the average was about 2° in England East and the Midland Counties, and the greatest deficit 1° in Ireland South. The highest reading recorded was 64° at Geldeston on the 25th, and the lowest 22° at Balmoral on the 29th. The total rainfall was heavy over the Kingdom as a whole, and showed a substantial excess over the normal. Scotland North, however, was relatively dry, with a deficit of 0·4 in. On the 28th several places in the north-west measured rather more than an inch of rain, but the heaviest fall reported during the week was 1·4 in. at Douglas, I. of M., on the 25th. Isolated thunderstorms occurred over a wide area on the 28th and 29th, and on the latter day as much as 1 in. fell at Canterbury and 0·7 in. of rain and hail at Margate. Aurora was observed at Gordon Castle, Stornoway, and Malin Head on the 28th.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate |
| | Rainfall ... | Light | Heavy | Very heavy | Heavy | Heavy | Heavy | Moderate | Heavy | Heavy | Heavy | Heavy | Very heavy |
| | Sunshine ... | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate | Abundant | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 9 weeks from Aug. 30th, 1914. | Warmth ... | 3 * 2 | 3 * 1 | 4 * 1 | 4 * 1 | 3 * 1 | 3 * 2 | 3 * 2 | 4 * 2 | 2 * 1 | 5 * 1 | 3 * 1 | 3 * 1 |
| | Rainfall ... | 1 * 7 | 2 * 7 | 2 * 6 | 1 * 5 | 1 * 4 | 1 * 4 | 1 * 6 | 3 * 6 | 3 * 5 | 1 * 6 | 3 * 6 | 3 * 3 |
| | Sunshine ... | 3 * 3 | 2 * 4 | 2 * 3 | 2 * 3 | 3 * 3 | 4 * 2 | 1 * 2 | 4 * 1 | 3 * 3 | 1 * 2 | 2 * 2 | 2 * 3 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| | Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3 * 1 | 6 * 0 | 8 * 1 | 8 * 2 | 6 * 1 | 7 * 1 | 5 * 3 | 5 * 1 | 8 * 1 | 6 * 3 | 6 * 2 | 9 * 1 |
| | Rainfall ... | 5 * 2 | 5 * 5 | 4 * 6 | 4 * 5 | 4 * 5 | 5 * 4 | 6 * 4 | 4 * 5 | 7 * 6 | 5 * 5 | 4 * 6 | 6 * 5 |
| | Sunshine ... | 4 * 4 | 4 * 2 | 3 * 2 | 6 * 5 | 4 * 5 | 4 * 1 | 4 * 2 | 4 * 2 | 4 * 2 | 4 * 4 | 4 * 4 | 4 * 4 |
| SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. | Warmth ... | 5 * 0 | 6 * 3 | 6 * 1 | 6 * 1 | 5 * 2 | 5 * 2 | 7 * 2 | 5 * 1 | 5 * 2 | 6 * 1 | 4 * 2 | 5 * 3 |
| | Rainfall ... | 2 * 4 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 4 | 2 * 4 | 2 * 7 | 4 * 3 | 5 * 3 | 2 * 7 | 4 * 2 | 7 * 3 |
| | Sunshine ... | 6 * 2 | 4 * 3 | 4 * 5 | 5 * 3 | 6 * 5 | 5 * 2 | 3 * 4 | 6 * 4 | 3 * 5 | 5 * 3 | 4 * 4 | 1 * 6 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**
**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**
**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(3046—17.) Wt. 229—611. 450. 11/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Mean for the Week. Of Lowest each day. | Mean for the Week. For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Accumulated Heat for the Week (in Day degrees). Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr | hr. | % | | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, Islands.. *p Baltasound* | *31* | *52* | *25th* | *33* | *30th* | *49·4* | *42·8* | *46·0* | — | *28* | *0* | 7 | *1·06* | — | *2·1* | — | *23* | • | • | 47·1 | • | • | • | *Baltasound.* |
| *a* Lerwick | 54 | 50 | 25, 26 | 41 | 30th | 47·7 | 44·0 | 45·8 | + 0·8 | 27 | 0 | 7 | 0·84 | — | 2·2 | - 0·2 | 24 | • | • | • | • | • | • | Deerness. |
| *a* Stornoway | 51 | 55 | 26th | 37 | 27th | 52·1 | 41·4 | 46·6 | + 1·5 | 35 | 2 | 4 | 0·71 | - 0·62 | 3·2 | + 0·8 | 34 | • | • | • | • | • | • | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *54* | *25, 26* | *44* | *28, 29* | *52·0* | *46·6* | *49·2* | + *1·8* | *50* | *0* | *5* | *1·30* | — | *3·2* | — | *33* | • | • | • | • | • | • | *Castlebay.* |
| *b*, Mainland. *a* Wick | 81 | 59 | 31st | 33 | 28th | 52·7 | 41·7 | 47·0 | + 1·9 | 36 | 1 | 6 | 0·91 | + 0·19 | • | • | • | • | • | • | • | • | • | |
| *p* Strathpeffer | 200 | 55 | 25th | 33 | 28, 30 | 52·0 | 38·7 | 45·2 | + 1·0 | 36 | 9 | 5 | 0·69 | + 0·04 | 2·2 | - 0·4 | 23 | • | • | • | • | • | • | Strathpeffer. |
| *p* Glencarron | 500 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *p* Fort Augustus | 68 | 53 | 25, 31 | 34 | 28th | 51·3 | 41·9 | 46·5 | + 1·7 | 32 | 0 | 4 | 0·44 | - 0·53 | 1·6 | - 0·2 | 17 | • | • | • | • | • | • | Fort Augustus, |
| *p* Fort William | 171 | 55 | 25, 26 | 34 | 29th | 51·7 | 41·4 | 46·4 | + 0·7 | 33 | 2 | 4 | 0·93 | - 0·84 | • | • | • | • | • | • | • | • | • | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | 1·5 | — | 16 | 2 | 22 | 47·2 | -0·5 | 50·6 | +0·3 | Crathes S. |
| *p* Gordon Castle | 101 | 58 | 26th | 30 | 29th | 51·9 | 40·0 | 45·8 | + 0·6 | 35 | 6 | 5 | 0·85 | + 0·08 | 1·7 | — | *18* | • | • | • | • | • | • | *Gordon Castle.* |
| *a* Nairn | 82 | 54 | 26th | 29 | 29th | 50·0 | 35·1 | 42·3 | - 2·6 | 31 | 19 | 5 | 0·60 | + 0·07 | 2·2 | — | 23 | • | • | • | • | • | • | Nairn. |
| *a* Aberdeen | 46 | 55 | 26th | 32 | 28th | 51·6 | 42·1 | 46·7 | + 1·2 | 33 | 0 | 6 | 1·46 | + 0·79 | 1·1 | - 1·8 | 12 | • | • | • | • | 50·0 | +0·4 | Aberdeen. |
| *a* Balmoral | 930 | 60 | 27th | 22 | 29th | 53·9 | 35·3 | 44·3 | + 2·8 | 44 | 19 | 5 | 1·12 | + 0·24 | • | • | • | 3 | 20 | • | • | • | • | Balmoral. |
| *p* Crieff | 432 | 58 | 26th | 32 | 28th | 51·1 | 39·4 | 45·1 | - 0·2 | 33 | 7 | 6 | 1·40 | + 0·48 | 2·6 | — | 27 | • | • | • | • | • | • | Balruddery. |
| *a* Leith | 18 | 58 | 26th | 32 | 29th | 52·6 | 42·0 | 47·1 | + 0·2 | 36 | 0 | 6 | 1·07 | + 0·60 | • | • | • | • | • | • | • | • | • | |
| *a* West Linton | 770 | 54 | 26, 27 | 25 | 29th | 49·7 | 35·4 | 42·3 | - 1·3 | 30 | 18 | 7 | 0·88 | — | *2·3* | — | *29* | 4 | 20 | • | • | • | • | *West Linton.* |
| *p* Marchmont | 498 | 56 | 26th | 32 | 28th | 50·7 | 39·6 | 45·0 | + 0·9 | 31 | 7 | 6 | 1·48 | + 0·65 | 2·2 | + 0·4 | 23 | 2 | 29 | • | • | • | • | Marchmont. |
| *a Edinburgh* | *441* | *55* | 26th | *39* | *28, 29* | *50·4* | *43·1* | *46·6* | — | *32* | *0* | *6* | *0·72* | — | 2·9 | — | 30 | 1 | 24 | • | • | • | • | Edinburgh. |
| **6.** *a*, SCOTLAND, W. | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *a* Poltalloch | 132 | 56 | 26th | 34 | 29th | 50·9 | 39·9 | 45·2 | - 1·3 | 31 | 6 | 5 | 1·88 | + 0·70 | • | • | • | • | • | • | • | • | • | |
| *p* Glasgow Observatory | 180 | 55 | 26th | 36 | 29th | 51·0 | 42·7 | 46·7 | + 1·4 | 33 | 0 | 6 | 0·89 | + 0·11 | 2·0 | + 0·1 | 21 | 2 | 26 | • | • | • | • | Glasgow. |
| *p* Rothesay | 90 | 56 | 26th | 35 | 28th | 51·3 | 42·6 | 46·8 | + 0·3 | 34 | 0 | 5 | 2·25 | + 1·27 | *2·3* | — | *24* | 0 | 33 | 48·0 | • | 50·9 | +0·3 | *Rothesay.* |
| *a* Kilmarnock | 90 | 59 | 26th | 31 | 29th | 52·7 | 39·0 | 45·7 | - 0·1 | 39 | 8 | 4 | 1·22 | — | *2·8* | — | *29* | • | • | • | • | • | • | *Kilmarnock.* |
| *a* Colmonell | 170 | 60 | 26th | 32 | 29th | 54·4 | 40·9 | 47·5 | + 1·5 | 43 | 3 | 4 | 1·17 | + 0·09 | • | • | • | 1 | 27 | • | • | • | • | |
| *p* Dumfries | 160 | 56 | 26th | 36 | 29th | 52·4 | 41·6 | 46·8 | + 0·7 | 35 | 1 | 5 | 0·95 | + 0·10 | *3·0* | — | *31* | 2 | 29 | 47·3 | • | 51·8 | • | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 59 | 26th | 35 | 27th | 54·6 | 40·9 | 47·6 | + 1·7 | 44 | 3 | 4 | 1·28 | + 0·14 | • | • | • | • | • | • | • | • | • | |
| *b*, I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 55 | 25, 26 | 39 | 28th | 53·0 | 45·1 | 48·9 | + 1·4 | 48 | 0 | 5 | 1·82 | + 0·76 | 3·8 | + 0·8 | 38 | 0 | 36 | • | • | • | • | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 219 | 58 | 26th | 34 | 29th | 52·9 | 42·6 | 47·6 | + 1·8 | 39 | 0 | 6 | 1·97 | + 1·12 | 2·9 | — | 30 | 2 | 27 | 46·5 | +0·4 | 49·9 | +0·6 | Cockle Park. |
| *a* Tynemouth | 72 | 58 | 26th | 38 | 28th | 52·4 | 44·0 | 48·1 | + 1·3 | 43 | 0 | 6 | 1·14 | + 0·46 | ? | ? | ? | • | • | • | • | • | • | *Tynemouth.* |
| *p* Durham | 336 | 58 | 26th | 32 | 29th | 52·1 | 39·7 | 45·7 | + 0·2 | 36 | 6 | 7 | 1·69 | + 0·97 | 3·3 | + 0·7 | 34 | 2 | 26 | • | • | • | • | Durham. |
| *a*, North. *p* Rounton | 249 | 59 | 26th | 33 | 29th | 52·9 | 40·2 | 46·4 | + 1·5 | 38 | 5 | 7 | 1·43 | + 0·70 | • | • | • | 2 | 30 | 48·4 | • | • | • | Rounton. |
| *a West Witton* | *605* | *57* | *26th* | *36* | *28th* | *51·6* | *41·1* | *46·2* | — | *33* | *3* | *7* | *2·11* | — | • | • | • | 1 | 29 | 47·3 | • | 50·3 | • | *West Witton.* |
| *p* Scarborough | 100 | 60 | 26th | 42 | 28th | 53·6 | 47·0 | 50·2 | + 2·8 | 57 | 0 | 7 | 1·54 | + 0·79 | 2·4 | — | 24 | • | • | • | • | 52·9† | • | Scarborough. |
| *p* York | 56 | 62 | 26th | 38 | 28, 29 | 54·4 | 42·3 | 48·2 | + 1·7 | 43 | 0 | 6 | 1·70 | + 1·12 | 2·9 | + 0·5 | 29 | • | • | 50·1 | - 0·4 | 53·0 | +0·1 | York. |
| | | | | | | | | | | | | | | | *2·0* | — | *20* | 2 | 29 | 47·0 | -1·9 | 52·3 | -0·4 | *Hull.* |
| *b*, South. *a* Spurn Head | 26 | 57 | 26th | 40 | 28, 29 | 54·1 | 44·6 | 49·2 | + 0·8 | 50 | 0 | 5 | 1·46 | + 0·93 | *2·6* | — | *26* | • | • | • | • | • | • | *Spurn Head.* |
| *a* Lincoln | 58 | 59 | 26th | 36 | 28th | 54·4 | 43·7 | 48·9 | + 2·3 | 48 | 0 | 6 | 1·31 | + 0·76 | • | • | • | • | • | 48·6 | -1·1 | 53·2 | +0·3 | Lincoln. |
| *a* Fulbeck | 180 | 58 | 27th | 35 | 28th | 53·6 | 43·6 | 48·5 | + 2·2 | 46 | 0 | 7 | 1·93 | + 1·38 | 3·4 | — | 34 | 1 | 28 | 50·2 | +0·7 | 53·9 | +0·5 | Rauceby. |
| | | | | | | | | | | | | | | | 3·1 | — | 31 | • | • | • | • | • | • | Skegness. |
| | | | | | | | | | | | | | | | *2·5* | — | *25* | 0 | 33 | 51·0 | - 0·4 | 54·7 | -0·1 | *Lowestoft.* |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | 3·1 | — | 31 | • | • | • | • | • | • | Cromer. |
| *p* Cromer | 196 | 61 | 25th | 37 | 28th | 55·0 | 45·4 | 50·1 | + 2·8 | 57 | 0 | 5 | 1·12 | — | • | • | • | • | • | • | • | • | • | |
| *p* Little Massingham | 280 | 58 | 25th | 35 | 29th | 53·3 | 42·6 | 47·8 | + 1·0 | 41 | 0 | 6 | 1·31 | + 0·63 | 3·1 | + 0·3 | 31 | 1 | 29 | • | • | • | • | Lit. Massingham. |
| *a*, North. *a* Yarmouth | 17 | 61 | 25th | 35 | 28, 29 | 54·9 | 42·3 | 48·4 | + 0·4 | 45 | 0 | 6 | 1·41 | + 0·73 | 2·4 | — | 24 | • | • | 50·9 | -0·2 | 54·9 | -0·2 | Yarmouth. |
| *a* Norwich | 93 | 61 | 25th | 34 | 28th | 54·6 | 44·0 | 49·1 | + 2·7 | 50 | 0 | 7 | 1·22 | — | *2·7* | — | *27* | 1 | 28 | 49·4 | • | • | • | *Norwich.* |
| *a* Geldeston | 37 | 64 | 25th | 35 | 28th | 56·6 | 44·7 | 50·5 | + 2·8 | 60 | 0 | 7 | 1·49 | + 0·84 | 2·4 | - 0·7 | 24 | • | • | • | • | • | • | Geldeston. |
| *p* Cambridge | 41 | 60 | 26th | 32 | 28th | 56·0 | 43·3 | 49·5 | + 2·4 | 53 | 0 | 5 | 0·64 | + 0·01 | 3·7 | + 0·6 | 37 | 2 | 21 | 51·0 | +0·3 | 54·4 | -0·2 | Cambridge. |
| *a Felixstowe* | *10* | *59* | *25th* | *38* | *28th* | *55·1* | *47·0* | *50·9* | + *2·0* | *62* | *0* | *5* | *1·26* | — | *3·3* | — | *33* | • | • | • | • | • | • | *Felixstowe.* |
| *p Buxton* | 987 | *55* | *25th* | *33* | *29th* | *50·1* | *41·4* | *45·6* | + *1·9* | *28* | *2* | *7* | *2·09* | + *0·86* | *2·3* | — | *23* | 2 | 29 | 46·7 | -1·9 | 51·6 | +0·2 | *Buxton.* |
| *b*, South. *a* Clacton-on-Sea | 54 | 59 | 25th | 37 | 28, 29 | 55·1 | 45·4 | 50·1 | + 1·2 | 57 | 0 | 5 | 1·35 | — | 3·4 | — | 34 | 0 | 31 | 52·1 | -1·4 | 55·3 | 0·0 | Clacton. |
| *a* Rothamsted | 424 | 60 | 26th | 31 | 28th | 55·4 | 42·3 | 48·7 | + 2·6 | 47 | 0 | 6 | 0·76 | + 0·09 | 3·8 | + 0·7 | 38 | • | • | • | • | • | • | Rothamsted. |
| *a Shoeburyness* | *13* | *60* | *25th* | *38* | *28th* | *55·4* | *45·9* | *50·5* | + *1·3* | *60* | *0* | *5* | *1·25* | + *0·79* | *3·9* | — | *39* | 0 | 32 | 52·4 | -0·8 | • | • | *Southend.* |
| *p* Tottenham | 51 | 61 | 25, 26 | 37 | 28, 29 | 56·1 | 44·3 | 50·0 | + 2·3 | 56 | 0 | 3 | 0·58 | — | 3·4 | — | 34 | 2 | 29 | • | • | 55·8 | -0·5 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate | 476 | 57 | 26th | 35 | 29th | 51·6 | 41·1 | 46·2 | + 0·8 | 33 | 3 | 7 | 1·88 | + 1·14 | *2·4* | — | *24* | 0 | 32 | 48·0 | -1·4 | 51·9 | 0·0 | *Huddersfield.* |
| *a* Bawtry | 65 | 58 | 26th | 34 | 29th | 53·3 | 41·9 | 47·4 | + 1·4 | 38 | 0 | 6 | 1·44 | + 0·92 | 3·1 | — | 31 | 2 | 28 | 48·5 | -0·4 | 50·7 | +0·4 | Harrogate. |
| *p Buxton* | *987* | *55* | *25th* | *33* | *29th* | *50·1* | *41·4* | *45·6* | + *1·9* | *28* | *2* | *7* | *2·09* | + *0·86* | 3·1 | + 0·7 | 31 | 2 | 26 | 48·8 | • | 51·6 | • | Worksop. |
| *a*, East. *a* Nottingham | 82 | 59 | 26th | 33 | 28th | 54·1 | 41·7 | 47·7 | + 1·0 | 41 | 1 | 6 | 1·22 | + 0·69 | *2·3* | — | *23* | 2 | 29 | 46·7 | -1·9 | 51·6 | +0·2 | *Buxton.* |
| *p* Birmingham, Edgbsn. | 535 | 57 | 26th | 37 | 28th | 53·0 | 43·7 | 48·2 | + 1·7 | 43 | 0 | 6 | 0·77 | + 0·17 | 2·7 | — | 27 | 1 | 30 | 48·3 | -0·5 | 52·8 | -0·3 | Nottingham. |
| *a* Raunds | 203 | 59 | 25th | 31 | 28th | 55·1 | 41·9 | 48·3 | + 1·8 | 45 | 0 | 6 | 0·96 | — | 2·7 | — | 27 | 0 | 33 | 48·9 | +0·4 | 51·9 | +0·3 | Birmingham. |
| *p* Oxford | 208 | 59 | 25, 26 | 34 | 28th | 55·3 | 43·6 | 49·3 | + 2·1 | 51 | 0 | 5 | 0·72 | + 0·12 | *3·4* | — | *34* | 2 | 25 | 52·1 | • | 55·0 | • | *Raunds.* |
| | | | | | | | | | | | | | | | 4·2 | + 1·3 | 42 | 2 | 27 | • | • | • | • | Oxford. |
| | | | | | | | | | | | | | | | 2·6 | — | 26 | 0 | 31 | 48·9 | -0·3 | 51·9 | -0·2 | Sheffield. |
| *a* Cheadle | 646 | 53 | 25, 30 | 36 | 28th | 51·6 | 43·7 | 47·5 | + 2·3 | 39 | 0 | 6 | 1·19 | + 0·49 | • | • | • | 0 | 34 | • | • | • | • | Cheadle. |
| *p* Shrewsbury | 191 | 59 | 26th | 35 | 28th | 54·9 | 43·0 | 48·8 | + 1·9 | 48 | 0 | 6 | 0·58 | — | • | • | • | ? | ? | • | • | • | • | Shrewsbury. |
| *b*, West. *a* Hereford§ | 291 | 58 | 26th | 34 | 28th | 53·7 | 42·9 | 48·1 | + 1·1 | 43 | 0 | 7 | 0·79 | + 0·20 | *2·5* | — | *25* | 1 | 26 | 50·1 | • | 53·7 | • | *Malvern.*§ |
| *a* Cirencester | 446 | 58 | 26th | 34 | 28th | 53·0 | 43·8 | 48·3 | + 2·6 | 44 | 0 | 6 | 0·83 | + 0·15 | 3·4 | + 0·5 | 34 | 0 | 31 | 50·3 | • | 53·1 | • | Cirencester. |
| *a* Bath | 66 | 60 | 25, 26 | 31 | 28th | 56·0 | 41·7 | 48·6 | + 0·4 | 47 | 1 | 7 | 1·38 | + 0·71 | 3·0 | — | 30 | • | • | • | • | • | • | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | • | • | • | 0 | 31 | 51·9 | +0·5 | 54·8 | +0·3 | Canterbury. |
| *p* Kew | 18 | 60 | 25th | 33 | 28th | 55·1 | 44·4 | 49·6 | + 2·1 | 53 | 0 | 5 | 0·59 | - 0·01 | 3·0 | + 0·3 | 30 | 2 | 27 | 50·1 | -1·0 | 53·1 | -1·3 | Kew. |
| *a* Marlborough | 424 | 59 | 26th | 28 | 28th | 53·7 | 39·4 | 46·3 | + 0·7 | 41 | 7 | 5 | 1·21 | + 0·44 | 2·5 | - 0·3 | 25 | 3 | 23 | 50·5 | • | • | • | Marlborough. |
| *a* Margate | 35 | 60 | 25, 26 | 42 | 28th | 55·6 | 47·6 | 51·5 | + 2·1 | 67 | 0 | 5 | 1·19 | + 0·56 | 3·0 | - 0·1 | 30 | 0 | 40 | 52·3 | +1·8 | 55·8 | +1·4 | Margate. |
| *a* Wisley, Surrey | 150 | 60 | 25th | 33 | 28, 29 | 55·4 | 42·4 | 48·7 | + 0·4 | 47 | 0 | 6 | 0·74 | — | 3·3 | — | 33 | 2 | 24 | 50·1 | -0·6 | 53·5 | -1·0 | Wisley. |
| | | | | | | | | | | | | | | | 3·2 | — | 32 | 1 | 30 | 51·8 | -1·2 | 55·2 | -0·9 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 61 | 26th | 32 | 28th | 55·7 | 41·6 | 48·4 | + 1·2 | 46 | 1 | 5 | 1·67 | + 0·87 | • | • | • | 2 | 29 | 51·1 | • | • | • | Salisbury. |
| *a* Tunbridge Wells | 354 | 60 | 26th | 32 | 28th | 55·1 | 43·1 | 48·9 | + 1·5 | 48 | 0 | 5 | 1·27 | + 0·46 | 3·5 | + 0·4 | 35 | 1 | 24 | 50·9 | -0·4 | 54·3 | • | Tunbridge Wells |
| *a* Dungeness | 21 | 61 | 26th | 36 | 28th | 56·1 | 44·3 | 50·0 | - 0·2 | 56 | 0 | 5 | 1·65 | + 0·96 | • | • | • | • | • | • | • | • | • | Littlestone. |
| *p* Hastings | 178 | 60 | 26th | 39 | 28th | 55·9 | 46·1 | 50·9 | + 1·0 | 62 | 0 | 6 | 1·61 | + 0·78 | *3·1* | - *0·4* | *31* | 0 | 33 | 52·0 | • | 55·3 | • | *Hastings.* |
| *p* Southampton | 65 | 62 | 26th | 34 | 28th | 57·0 | 44·6 | 50·6 | + 1·3 | 60 | 0 | 7 | 1·36 | + 0·54 | 3·8 | + 0·6 | 38 | 1 | 27 | • | • | • | • | Southampton. |
| *a* Ventnor | 80 | 61 | 26th | 44 | 28th | 56·6 | 48·4 | 52·4 | + 1·3 | 73 | 0 | 6 | 2·14 | + 1·60 | 3·2 | - 0·3 | 32 | • | • | • | • | • | • | Ventnor. |
| | | | | | | | | | | | | | | | • | — | • | • | • | • | • | • | • | *Portsmouth.* |
| | | | | | | | | | | | | | | | 2·4 | - 1·0 | 24 | • | • | 53·4 | • | 56·4 | • | Eastbourne. |
| | | | | | | | | | | | | | | | *3·6* | — | *36* | • | • | 51·1 | • | 53·7 | • | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | *3·3* | — *0·2* | *33* | 0 | 33 | • | • | 55·5 | • | *Brighton.* |
| *a Westminster* | *27* | *62* | *26th* | *36* | *28th* | *57·5* | *45·5* | *51·3* | + *3·9* | *65* | *0* | *5* | *0·60* | + *0·01* | *3·0* | + *1·1* | *30* | 0 | 32 | • | • | • | • | *Westminster.* |
| *a Greenwich* | *155* | *62* | *25th* | *35* | *28th* | *56·6* | *44·6* | *50·4* | + *2·8* | *59* | *0* | *5* | *0·64* | + *0·08* | *3·5* | + *0·9* | *35* | 2 | 27 | • | • | • | • | *Greenwich.* |
| *a Hampstead* | *450* | *60* | *26th* | *32* | *28th* | *54·6* | *41·2* | *47·7* | — | *43* | *2* | *5* | *0·72* | — | *3·5* | — | *35* | 2 | 24 | • | • | • | • | *Hampstead.* |
| *a Camden Square* | *110* | *62* | *26th* | *37* | *28th* | *57·1* | *44·9* | *50·8* | — | *62* | *0* | *5* | *0·65* | — | *2·7* | — | *27* | 0 | 34 | • | • | • | • | *Camden Square.* |
| | | | | | | | | | | | | | | | *2·0* | — | *20* | 1 | 30 | 47·9 | -0·2 | 51·3 | 0·0 | *Burnley.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | 2·7 | — | 27 | • | • | • | • | • | • | Hoylake. |
| *p* Aspatria | 250 | 55 | 26th | 33 | 29th | 51·0 | 40·9 | 45·8 | - 0·1 | 31 | 3 | 5 | 1·06 | + 0·13 | 3·0 | — | 31 | 0 | 33 | 46·8 | • | 51·2 | • | Aspatria. |
| *p* Newton Rigg | 559 | 56 | 26th | 31 | 29th | 51·9 | 38·7 | 45·1 | + 0·5 | 36 | 9 | 6 | 1·02 | + 0·15 | 2·3 | - 0·2 | 24 | 4 | 23 | 47·3 | -1·8 | 50·4 | -0·7 | Newton Rigg. |
| *p* Stonyhurst | 375 | 55 | 25, 26 | 39 | 29th | 52·1 | 43·9 | 47·9 | + 2·3 | 41 | 0 | 6 | 1·96 | + 0·89 | 2·3 | - 0·2 | 23 | 0 | 31 | • | • | • | • | Stonyhurst. |
| *p* Blackpool | 66 | 56 | 26th | 38 | 29th | 53·4 | 43·7 | 48·4 | + 0·9 | 45 | 0 | 5 | 1·45 | + 0·58 | 3·0 | + 0·4 | 30 | 0 | 31 | 50·5 | • | 53·0 | • | Blackpool. |
| *a Southport* | *37* | *56* | *26, 30* | *38* | *29th* | *53·6* | *44·6* | *49·0* | + *1·8* | *49* | *0* | *5* | *2·19* | + *1·36* | *2·6* | + *0·1* | *26* | 1 | 29 | 47·5 | -1·1 | 51·8 | -0·8 | *Southport.* |
| *a* Liverpool (Bidston) | 188 | 55 | 25, 26, 30 | 41 | 29th | 53·0 | 44·9 | 48·8 | + 0·7 | 48 | 0 | 5 | 1·42 | + 0·67 | 2·7 | — | 27 | • | • | • | • | • | • | *Liverpool.* |
| *a Hawarden Bridge* | *22* | *58* | *26th* | *36* | *29th* | *55·0* | *44·9* | *49·8* | + *1·5* | *55* | *0* | *4* | *1·03* | + *0·36* | *2·0* | — | *20* | 0 | 33 | 49·2 | -0·5 | 54·3 | +0·3 | *Manchester (City).* |
| *p* Manchester (Whit. Pk.) | 125 | 56 | 25, 26, 30 | 39 | 28th | 53·5 | 45·4 | 49·3 | + 2·8 | 51 | 0 | 6 | 1·43 | + 0·71 | *1·5* | - *0·3* | *15* | • | • | • | • | • | • | " (*Whit. Park*) |
| *b* NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 57 | 26th | 36 | 29th | 54·3 | 44·0 | 49·0 | - 0·5 | 49 | 0 | 6 | 0·93 | + 0·09 | 2·4 | - 0·1 | 24 | • | • | • | • | • | • | Llandudno. |
| *a* Holyhead | 15 | 57 | 25, 26 | 41 | 29th | 54·0 | 46·3 | 50·0 | + 0·5 | 56 | 0 | 7 | 1·77 | + 0·87 | *3·3* | — | *33* | • | • | • | • | • | • | *Holyhead.* |
| *Bettws-y-Coed* | *148* | *56* | *25th* | *34* | *29th* | *54·0* | *42·0* | *47·8* | - *0·8* | *41* | *0* | *7* | *2·15* | — | 2·2 | — | 22 | • | • | 48·9 | +0·5 | 51·9 | +0·2 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 2·3 | — | 23 | • | • | • | • | • | • | Aberdovey. |

* For notes see also opposite page. † At 3 ft. § The temperature on the grass refers to Hereford.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average. | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | - | ° | ° | - | day° | day° | * | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 2·4 | — | 24 | * | * | * | * | * | * | Aberystwyth. |
| *a* Llangammarch Wells | 550 | 56 | 25, 26 | 31 | 29th | 52·1 | 41·3 | 46·5 | + 1·0 | 34 | 2 | 7 | 1·41 | — | 1·7 | — | 17 | 2 | 29 | 48·9 | -1·0 | 51·8 | -1·0 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 57 | 25th | 40 | 29th | 53·9 | 47·3 | 50·5 | + 0·1 | 60 | 0 | 6 | 1·08 | + 0·19 | 3·2 | + 0·2 | 32 | * | * | * | * | * | * | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 59 | 26th | 37 | 28th | 54·0 | 45·3 | 49·5 | + 2·3 | 53 | 0 | 6 | 1·37 | + 0·33 | *3·1* | — | *31* | 0 | 34 | 50·3 | -0·4 | 54·1 | +0·2 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 59 | 26th | 37 | 29th | 54·0 | 44·7 | 49·2 | + 1·5 | 50 | 0 | 6 | 1·05 | + 0·22 | *3·0* | — | *30* | 0 | 35 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 57 | 26th | 35 | 29th | 53·0 | 41·9 | 47·3 | 0·0 | 38 | 0 | 6 | 1·74 | + 0·93 | * | * | * | * | * | 51·5 | * | 54·9 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 59 | 26th | 35 | 29th | 53·0 | 43·7 | 48·2 | + 0·8 | 43 | 0 | 7 | 2·38 | + 0·90 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *58* | *25, 26* | *39* | *29th* | *54·1* | *46·9* | *50·4* | *- 0·3* | *59* | *0* | 7 | *1·15* | *+ 0·40* | 3·3 | 0·0 | 33 | 0 | 34 | 53·0 | * | 55·4 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 61 | 26th | 31 | 29th | 55·0 | 42·3 | 48·5 | + 0·5 | 46 | 0 | 7 | 2·05 | + 1·19 | 2·2 | - 0·6 | 22 | 2 | 26 | 51·3 | * | * | * | Cullompton. |
| *a* Portland Bill .. .. | 19 | 59 | 25, 26 | 42 | 29, 30 | 55·9 | 48·9 | 52·3 | + 1·3 | 72 | 0 | 7 | 1·22 | — | *3·9* | — | *39* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 61 | 26th | 36 | 29th | 55·3 | 45·3 | 50·2 | - 0·1 | 57 | 0 | 6 | 1·88 | + 1·02 | 2·4 | - 0·8 | 24 | * | * | 51·7 | -1·2 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 60 | 26th | 39 | 29, 30 | 55·3 | 45·9 | 50·5 | - 0·2 | 60 | 0 | 6 | 1·33 | + 0·23 | 3·0 | - 0·6 | 30 | 0 | 33 | 54·0 | * | 56·8 | * | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Malin Head .. .. | 208 | 56 | 26th | 40 | 29th | 52·6 | 44·6 | 48·5 | + 0·6 | 46 | 0 | 5 | 1·34 | + 0·61 | *2·8* | * | *29* | * | * | * | * | * | * | *Malin Head.* |
| *a*, West .. *a* Blacksod Point .. | 37 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | |
| *p* Markree Castle .. | 122 | 59 | 26th | 33 | 27th | 53·9 | 36·7 | 45·1 | - 1·2 | 44 | 15 | 5 | 1·50 | + 0·55 | 3·3 | + 0·7 | 33 | 3 | 28 | 50·4 | * | 53·9 | * | Markree Castle |
| *a* Birr Castle .. .. | 175 | 58 | 26th | 32 | 30th | 52·4 | 37·9 | 44·9 | - 1·2 | 38 | 11 | 5 | 1·46 | + 0·81 | *3·4* | *+ 0·5* | *34* | * | * | * | * | * | * | *Birr Castle.* |
| *p* Armagh .. .. | 196 | 57 | 26th | 32 | 29th | 52·7 | 38·0 | 45·1 | - 1·2 | 39 | 11 | 5 | 1·06 | + 0·43 | 3·2 | + 0·5 | 32 | 2 | 27 | 49·1 | -1·1 | 52·8 | -0·2 | Armagh. |
| *b*, East .. *a* Donaghadee .. | 101 | 56 | 26th | 38 | 28, 29 | 52·4 | 43·6 | 47·9 | + 0·1 | 41 | 0 | 4 | 0·63 | - 0·03 | * | * | * | * | * | * | * | * | * | |
| | | | | | | | | | | | | | | | 3·2 | 0·0 | 32 | 0 | 35 | 50·6 | -0·2 | 53·3 | +0·1 | Trinity Coll. |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | | | | 1 | 28 | * | * | * | * | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 57 | 25th | 38 | 29th | 53·3 | 43·6 | 48·3 | 0·0 | 44 | 0 | 6 | 1·01 | + 0·41 | * | * | * | 0 | 37 | * | * | * | * | Dublin City. |
| *a*, East .. *a* Kilkenny .. | 212 | 59 | 26th | 31 | 29th | 52·7 | 38·1 | 45·2 | - 1·7 | 39 | 11 | 7 | 1·28 | + 0·61 | * | * | * | * | * | * | * | * | * | |
| *a* Waterford .. .. | 20 | 59 | 26th | 36 | 29th | 54·7 | 39·9 | 47·1 | - 1·1 | 45 | 6 | 5 | 1·12 | + 0·29 | * | * | * | * | * | * | * | * | * | |
| *a Seskin, Carrick-on-Suir* | *541* | *57* | *26th* | *35* | *29th* | *51·4* | *41·1* | *46·1* | — | *32* | *3* | 7 | *1·11* | — | *3·3* | * | *33* | 1 | 30 | * | * | * | * | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 58 | 26th | 32 | 30th | 52·4 | 37·9 | 44·9 | - 1·2 | 38 | 11 | 5 | 1·46 | + 0·81 | 3·4 | + 0·5 | 34 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes .. .. .. | 50 | 59 | 26th | 38 | 29th | 52·6 | 42·1 | 47·2 | - 1·2 | 36 | 0 | 5 | 1·28 | + 0·43 | * | * | * | * | * | * | * | * | * | |
| *a* Cahir .. .. .. | 199 | 61 | 26th | 36 | 27th | 52·4 | 38·7 | 45·4 | - 2·6 | 38 | 9 | 5 | 1·01 | — | * | * | * | * | * | * | * | * | * | |
| *b*, West .. *a* Killarney .. .. | 174 | 61 | 26th | 35 | 30th | 54·7 | 40·9 | 47·6 | - 0·9 | 44 | 3 | 5 | 2·14 | + 0·90 | * | * | * | * | * | * | * | * | * | |
| *a* Valencia .. .. | 30 | 60 | 25th | 37 | 31st | 54·1 | 43·9 | 48·9 | - 1·5 | 48 | 0 | 5 | 1·97 | + 0·74 | 4·0 | + 0·9 | 40 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. .. | 32 | 59 | 25–27 | 40 | 29, 30 | 54·3 | 44·1 | 49·1 | - 0·9 | 50 | 0 | 6 | 1·02 | + 0·10 | 3·8 | — | 38 | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 59 | 25–27 | 44 | 28, 29 | 55·7 | 48·1 | 51·8 | - 0·8 | 69 | 0 | 7 | 1·54 | + 0·74 | 2·6 | - 0·9 | 26 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 62 | 26th | 43 | 29th | 56·6 | 49·1 | 52·7 | + 0·1 | 75 | 0 | 7 | 3·08 | + 2·05 | 2·1 | - 1·6 | 21 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 62 | 26th | 42 | 29th | 56·3 | 48·3 | 52·2 | - 0·3 | 71 | 0 | 7 | 2·02 | + 0·97 | 2·2 | - 1·1 | 22 | 0 | 38 | 54·3 | -0·4 | 57·3 | -0·3 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 3·4 hrs. 34 %; Ramsgate 3·2 hrs. 32 %; Rhyl, 3·1 hrs. 31 %; Salcombe, 2·5 hrs. 25 %; Tenby, 3·5 hrs. (+0·4) 35 %; Torquay, 2·5 hrs. (-0·7) 25 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Oct. 31st.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. . | — | — | — | — |
| Kirkwall .. . | — | — | — | — |
| Wick .. .. .. | ? | ? | ? | ? |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 55 | 50 | 53·2 | +3·0 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 48 | 45 | 46·4 | -3·0 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 57 | 55 | 56·2 | +0·7 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. . | 56 | 53 | 54·4 | -0·8 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 56 | 53 | 54·3 | +1·2 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 56 | 52 | 54·5 | — |
| Plymouth‡ .. .. | 57 | 56 | 56·7 | +0·8 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. . | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. . | — | — | — | — |
| Seafield .. .. | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of WIND RECORDS from PRESSURE TUBE ANEMOGRAPHS. [1914.]

Week ending at midnight (24h.) on Saturday, October 31st.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr | hr. | m/s. | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | — | — | 51 | 117 | E. 9 | 29th 18h. | 19 29th 18. 25 |
| Aberdeen* .. .. | 105 | — | — | 29 to 31 | 37 | 45 | 86 | E. 17 | 29th 18h. | 22 29th 18. 25 |
| Rosyth .. .. | 73 | — | — | — | — | 59 | 109 | E. 10 | 29th 22h. | 17 30th 6. 15 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 29, 30 | 11 | 58 | 99 | NE. 13 | 30th 5h. | 22 30th 4. 25 |
| Paisley (Coats Obs.) | 80 | — | — | — | - | 25 | 143 | E. by N. 7 | 30th 2h. | 16 30th 1. 50 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 32§ | 112§ | ENE. 8 | 30th 5h. | 16 30th 2. 35 |
| South Shields .. | 61 | — | — | 29 to 31 | 18 | 74 | 76 | E. by N. 17 | 30th 4h. | 23 30th 3. 40 |
| Spurn Head .. | 40 | — | — | — | — | — | — | — | — | — — — |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 25, 29 to 31 | 17 | 82 | 69 | — 13 | 30th 17h. | 18 25th 22. 55 |
| Shoeburyness .. | 90 | — | — | 30, 31 | 4 | 84 | 80 | — 12 | 31st 21h. | 18 26th 1. 20 |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 25, 30 | 5 | 63 | 100 | — 13 | 30th 18h. | 19 30th 18. 5 |
| Warlingham .. | 33 | — | — | — | — | 25 | 143 | — 8 | 25th 20h. | 18 30th 21. 55 |
| Brighton .. .. | 53 | — | — | — | — | 79 | 89 | — 11 | 31st 24h. | 18 31st 23. 0 |
| Kew† .. .. | 65 | — | — | — | — | 35 | 133 | ENE. 9 | 30th 21h. | 13 29th 14. 30 |
| South Kensington | 92 | — | — | — | — | 9 | 159 | E. by N. 7 | 30th 22h. | 13 30th 12. 45 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | 24 | 144 | ENE. 11 | 30th 6h. | 17 30th 6. 0 |
| Southport .. .. | 62 | — | — | 25, 26, 30 | 19 | 103 | 46 | NE. 15 | 30th 5h. | 22 30th 6. 50 |
| Holyhead* .. .. | 40 | 30th | 1 | 25, 26, 29 to 31 | 33 | 107 | 27 | NE. 18 | 30th 6h. | 23 30th 6. 25 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle* | 65 | 25, 31 | 8§ | 25, 27, 29 to 31 | 28§ | 79§ | 34§ | E. 19 | 31st 12h. | 24 31st 11. 10 |
| Plymouth .. .. | 88 | — | — | 25th | 3 | 48 | 117 | — 14 | 25th 16h. | 19 25th 16. 10 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 25 to 29 | 29 | 110 | 29 | — 13 | 25th 8h. | 21 27th 15. 30 |
| Weaver Pt. .. | 30 | — | — | 25, 29, 30 | 13 | 74 | 81 | — 12 | 25th 8h. | 18 30th 9. 0 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly* .. .. | 19 | — | — | — | — | — | — | — — | — — | — — — |

* Wind Direction is taken from the Robinson Instrument.

† Until May 9th the anemograph was about ½ mile East of the Observatory with a vane 40 ft. above the ground. The instrument now used is on the Observatory Building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day. The rims of the gauges are 1 foot above the ground.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907–1911, but in some cases for 1908–1911, or 1909–1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**FORTY-THIRD WEEK**—October 25th to October 31st, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of: Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees: Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 59 | 33 | 51·3 | 41·5 | 46·3 | + 1·4 | 32 | + 2 | 1 | −10 | 5 | 0 | 0·75 | −0·44 | 2·3 | 0·0 | 25 | 1006 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 60 | 22 | 51·4 | 38·6 | 44·8 | + 0·9 | 34 | + 2 | 10 | − 4 | 6 | + 2 | 1·11 | +0·43 | 2·1 | −0·5 | 22 | 1006 |
| 2. ENGLAND, N.E. ... ... | 62 | 32 | 53·4 | 43·1 | 48·1 | + 1·7 | 43 | + 5 | 0 | − 6 | 6 | + 2 | 1·57 | +0·84 | 3·0 | +0·3 | 30 | 1004 |
| 3. ENGLAND, EAST ... | 64 | 31 | 55·2 | 43·8 | 49·4 | + 2·3 | 52 | + 8 | 0 | − 7 | 6 | + 2 | 1·10 | +0·48 | 3·2 | +0·2 | 32 | 1004 |
| 4 MIDLAND COUNTIES ... | 60 | 31 | 53·8 | 42·6 | 48·0 | + 1·9 | 42 | + 2 | 0 | − 9 | 6 | + 2 | 1·07 | +0·42 | 3·1 | +0·5 | 31 | 1004 |
| 5. ENGLAND, S.E. ... ... | 62 | 28 | 55·6 | 44·2 | 49·7 | + 1·1 | 54 | + 2 | 0 | − 5 | 6 | + 2 | 1·34 | +0·57 | 3·1 | +0·1 | 31 | 1004 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 60 | 31 | 52·5 | 41·6 | 46·9 | + 0·8 | 36 | − 2 | 1 | − 7 | 5 | + 1 | 1·43 | +0·32 | 2·9 | +0·4 | 29 | 1005 |
| 7. ENGLAND, N.W. ... ... | 57 | 31 | 52·9 | 43·5 | 48·0 | + 0·8 | 42 | − 1 | 0 | − 5 | 6 | + 2 | 1·38 | +0·52 | 2·6 | +0·1 | 26 | 1004 |
| 8. ENGLAND, S.W. ... ... | 61 | 31 | 54·2 | 44·7 | 49·3 | + 0·5 | 51 | − 1 | 0 | − 4 | 6 | + 2 | 1·55 | +0·52 | 2·6 | −0·3 | 26 | 1003 |
| 9. IRELAND, NORTH ... | 59 | 32 | 52·8 | 40·2 | 46·3 | − 0·3 | 38 | − 2 | 5 | − 1 | 5 | 0 | 1·20 | +0·35 | 3·3 | +0·5 | 33 | 1004 |
| 10. IRELAND, SOUTH ... | 61 | 31 | 53·5 | 41·0 | 47·1 | − 1·0 | 39 | − 10 | 3 | − 2 | 5 | + 1 | 1·37 | +0·48 | 3·6 | +0·6 | 36 | 1005 |
| 11. ENGLISH CHANNEL ... | 62 | 42 | 56·2 | 48·5 | 52·2 | − 0·1 | 71 | − 1 | 0 | 0 | 7 | + 2 | 2·21 | +1·29 | 2·3 | −1·2 | 23 | 1003 |

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 9 Weeks, August 30th to October 31st, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 75 | 30 | * | * | * | * | 537 | + 29 | 2 | −30 | 37 | − 7 | 5·23 | −5·01 | 2·9 | −0·1 | 25 | 1015 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 76 | 19 | * | * | * | * | 565 | + 18 | 27 | −13 | 28 | − 9 | 3·07 | −2·65 | 3·4 | −0·1 | 29 | 1016 |
| 2. ENGLAND, N.E. ... ... | 82 | 31 | * | * | * | * | 699 | + 58 | 0 | −16 | 25 | − 8 | 3·35 | −1·76 | 4·2 | +0·3 | 36 | 1018 |
| 3. ENGLAND, EAST ... | 82 | 29 | * | * | * | * | 779 | + 49 | 0 | −20 | 27 | − 5 | 3·09 | −1·75 | 4·5 | +0·1 | 39 | 1017 |
| 4. MIDLAND COUNTIES ... | 82 | 28 | * | * | * | * | 720 | + 52 | 11 | −16 | 24 | − 8 | 3·27 | −1·86 | 4·2 | +0·3 | 35 | 1018 |
| 5. ENGLAND, S.E. ... ... | 82 | 28 | * | * | * | * | 809 | + 6 | 1 | −12 | 24 | − 7 | 3·71 | −1·97 | 5·2 | +0·7 | 44 | 1018 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 77 | 28 | * | * | * | * | 634 | + 35 | 4 | −18 | 25 | −12 | 4·50 | −4·87 | 3·6 | 0·0 | 30 | 1017 |
| 7. ENGLAND, N.W. ... ... | 77 | 29 | * | * | * | * | 712 | + 35 | 1 | −10 | 27 | − 8 | 4·76 | −2·46 | 4·1 | +0·4 | 35 | 1018 |
| 8. ENGLAND, S.W. ... ... | 80 | 29 | * | * | * | * | 785 | + 29 | 0 | − 9 | 27 | − 8 | 5·16 | −2·66 | 4·8 | +0·6 | 40 | 1018 |
| 9. IRELAND, NORTH ... | 75 | 27 | * | * | * | * | 686 | + 61 | 5 | − 9 | 28 | −13 | 3·59 | −3·77 | 3·3 | −0·1 | 28 | 1017 |
| 10. IRELAND, SOUTH ... | 78 | 29 | * | * | * | * | 775 | + 71 | 3 | − 9 | 26 | − 9 | 5·44 | −1·53 | 3·8 | −0·2 | 32 | 1018 |
| 11. ENGLISH CHANNEL ... | 82 | 39 | * | * | * | * | 972 | + 33 | 0 | 0 | 29 | −10 | 6·83 | +0·21 | 5 2 | 0·0 | 44 | 1018 |

THE YEAR.—Aggregates, &c., for the Period of 43 Weeks, January 4th, 1914, to October 31st, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 2183 | +203 | 393 | −196 | 191 | − 8 | 34·58 | −5·96 | 3·5 | 0·0 | 26 | 1010 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 2459 | +222 | 519 | −141 | 152 | −13 | 21·73 | −2·85 | 4·2 | +0·1 | 33 | 1011 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 2920 | +432 | 299 | −192 | 137 | −12 | 17·89 | −2·04 | 4·7 | +0·2 | 37 | 1014 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 3240 | +365 | 299 | −242 | 134 | −10 | 16·76 | −2·45 | 5·2 | +0·3 | 40 | 1015 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 3106 | +309 | 378 | −182 | 137 | − 6 | 19·21 | −2·04 | 4·6 | +0·3 | 36 | 1015 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 3328 | +229 | 241 | −153 | 131 | − 6 | 21·03 | −0·10 | 5·6 | +0·7 | 43 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 2617 | +209 | 321 | −126 | 165 | − 7 | 31·43 | −5·65 | 4·2 | 0·0 | 32 | 1012 |
| 7. ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 2928 | +289 | 228 | −169 | 151 | − 7 | 24·92 | −2·62 | 4·7 | +0·4 | 36 | 1014 |
| 8. ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 3160 | +225 | 192 | −118 | 159 | + 3 | 32·06 | +2·48 | 5·0 | +0·2 | 39 | 1015 |
| 9. IRELAND, NORTH ... | 80 | 25 | * | * | * | * | 2727 | +211 | 251 | −108 | 180 | − 8 | 27·62 | −2·65 | 3·9 | 0·0 | 30 | 1012 |
| 10. IRELAND, SOUTH ... | 81 | 24 | * | * | * | * | 3130 | +246 | 177 | − 94 | 177 | +11 | 31·57 | +0·31 | 4·4 | 0·0 | 34 | 1014 |
| 11. ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 3618 | +224 | 72 | − 37 | 154 | −13 | 27·08 | +2·44 | 5·6 | −0·2 | 43 | 1016 |

M.O., November 4, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report. They are expressed in millibars (1000 = 29·531 mb mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.: or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH: or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN: or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) } No. 44. FORTY-FOURTH WEEK, SUNDAY, NOVEMBER 1ST, TO SATURDAY, NOVEMBER 7TH, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

The general character of the weather was mild and unsettled. Rain fell on five or six days over the Kingdom as a whole, and the amount exceeded the normal in most parts of England and in Scotland East. Falls amounting to an inch, and accompanied by thunder and lightning locally, were reported from some stations in Devon and Cornwall on the 1st. On the 2nd further and heavier falls occurred in Wiltshire; at Shaftesbury, where there was thunder, 1·2 in., at Marlborough 2 in. and at Wilton House 2·1 in. A thunderstorm was experienced at Dublin on the 2nd, at Geldeston on the 5th, and at many places in southern England on the 6th. Generally there was very little bright sunshine—only 0·7 hr. per day in Scotland East—but over the southern half of the Kingdom there was rather more than the average. Temperature was above the normal by about 4° in the eastern half of the Kingdom, and about 2° in the most western districts. In Ireland South, however, the excess was very slight. Very little frost occurred, even on the grass; the lowest shade reading was 30° at West Linton. Fog was reported at times both inland and on the coast, but it seldom continued through the whole day.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Unusual | Moderate | Unusual |
| | Rainfall ... | Moderate | Heavy | Heavy | Moderate | Heavy | Heavy | Moderate | Moderate | Moderate | Light | Moderate | Moderate |
| | Sunshine ... | Scanty | Very scanty | Scanty | Moderate | Scanty | Abundant | Scanty | Moderate | Moderate | Scanty | Moderate | Moderate |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 10 weeks from Aug. 30th, 1914. | Warmth ... | 4*2 | 4*1 | 5*1 | 5*1 | 4*1 | 4*2 | 4*2 | 5*2 | 3*1 | 6*1 | 3*1 | 4*1 |
| | Rainfall ... | 1*7 | 3*7 | 3*6 | 1*5 | 2*4 | 2*4 | 1*6 | 3*6 | 3*5 | 1*7 | 3*6 | 3*3 |
| | Sunshine ... | 3*4 | 2*5 | 2*4 | 2*3 | 3*4 | 5*2 | 1*3 | 4*1 | 3*3 | 1*3 | 2*2 | 2*3 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6*0 | 8*0 | 8*0 | 10*0 | 11*0 | 11*0 | 6*0 | 9*0 | 9*0 | 8*0 | 9*2 | 11*0 |
| | Rainfall ... | 4*4 | 2*4 | 4*6 | 5*6 | 5*4 | 5*5 | 2*4 | 4*6 | 3*5 | 3*2 | 7*1 | 4*3 |
| | Sunshine ... | 5*4 | 5*6 | 6*3 | 4*1 | 4*3 | 5*2 | 1*4 | 6*3 | 4*6 | 2*5 | 2*6 | 2*4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6*3 | 7*2 | 7*2 | 9*3 | 7*4 | 7*4 | 4*2 | 8*3 | 7*4 | 7*2 | 7*4 | 6*4 |
| | Rainfall ... | 5*2 | 5*4 | 1*7 | 3*9 | 2*8 | 3*5 | 5*4 | 5*6 | 3*5 | 5*5 | 4*6 | 5*7 |
| | Sunshine ... | 3*1 | 2*2 | 1*2 | 3*4 | 2*6 | 4*4 | 2*6 | 2*0 | 3*5 | 1*9 | 1*7 | 2*5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3*1 | 6*0 | 8*1 | 8*2 | 6*1 | 7*1 | 5*3 | 5*1 | 8*1 | 6*3 | 6*2 | 9*1 |
| | Rainfall ... | 5*2 | 5*5 | 4*6 | 4*5 | 4*5 | 5*4 | 6*4 | 4*5 | 7*6 | 5*5 | 4*6 | 6*5 |
| | Sunshine ... | 4*4 | 4*2 | 3*2 | 6*5 | 4*5 | 4*1 | 4*2 | 4*2 | 4*2 | 4*4 | 4*4 | 4*4 |
| SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. | Warmth ... | 5*0 | 6*3 | 6*1 | 6*1 | 5*2 | 5*2 | 7*2 | 5*1 | 5*2 | 6*1 | 4*2 | 5*3 |
| | Rainfall ... | 2*4 | 2*4 | 3*5 | 3*5 | 3*4 | 2*4 | 2*7 | 4*3 | 5*3 | 2*7 | 4*2 | 7*3 |
| | Sunshine ... | 6*2 | 4*3 | 4*5 | 5*3 | 6*5 | 5*2 | 3*4 | 6*4 | 3*5 | 5*3 | 4*4 | 1*6 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**
**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**
**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(3106—17.) Wt. 229—611. 450. 11/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean | Earth 4 ft. Difference from Average. | |
| **0.** SCOTLAND, N. | Ft. | | | | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| *p Baltasound* | *31* | *51* | *7th* | *42* | *2, 3* | *48·4* | *44·1* | *46·3* | — | *30* | *0* | *7* | *1·87* | — | *0·2* | — | *3* | • | • | 45·7 | • | • | • | *Baltasound.* |
| *a* Lerwick | 54 | 57 | 5th | 42 | 2nd | 49·1 | 44·6 | 46·9 | + 2·4 | 34 | 0 | 7 | 1·61 | — | 0·4 | - 1·7 | 5 | • | • | • | • | • | • | Deerness. |
| *a* Stornoway | 51 | 56 | 4th | 39 | 5th | 53·0 | 42·9 | 48·0 | + 3·5 | 42 | 0 | 6 | 0·57 | - 0·76 | 1·8 | - 0·3 | 20 | • | • | • | • | • | • | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *54* | *4, 5, 7* | *45* | *3rd* | *53·3* | *47·1* | *50·2* | + 3·2 | *57* | *0* | *6* | *0·76* | — | *1·1* | — | *12* | • | • | • | • | • | • | *Castlebay.* |
| *a* Wick | 81 | 54 | 7th | 44 | 2nd | 51·6 | 46·6 | 49·1 | + 4·7 | 50 | 0 | 6 | 1·24 | + 0·54 | • | • | • | • | • | • | • | • | • | |
| *p* Strathpeffer | 200 | 51 | 3, 6, 7 | 39 | 4th | 50·1 | 43·7 | 46·9 | + 3·4 | 34 | 0 | 5 | 1·01 | + 0·36 | 0·6 | + 1·7 | 7 | • | • | • | • | • | • | Strathpeffer. |
| *p* Glencarron | 500 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *p* Fort Augustus | 68 | 55 | 3rd | 38 | 4th | 52·0 | 43·9 | 48·0 | + 4·0 | 42 | 0 | 5 | 0·47 | - 0·51 | 0·8 | - 0·7 | 9 | • | • | • | • | • | • | Fort Augustus. |
| *p* Fort William | 171 | 56 | 3rd | 57 | 5th | 52·9 | 43·0 | 48·0 | + 3·2 | 42 | 0 | 7 | 1·23 | - 0·57 | • | • | • | • | • | • | • | • | • | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | 0·3 | — | 3 | 0 | 37 | 48·0 | +2·6 | 49·5 | +0·5 | |
| *p* Gordon Castle | 101 | 56 | 7th | 38 | 5th | 52·7 | 43·0 | 47·9 | + 3·6 | 41 | 0 | 5 | 1·72 | + 0·98 | *1·9* | — | *21* | • | • | • | • | • | • | *Gordon Castle.* |
| *a* Nairn | 82 | 53 | 7th | 37 | 5th | 50·3 | 41·1 | 45·7 | + 1·8 | 30 | 3 | 7 | 1·28 | + 0·77 | 0·9 | — | 10 | • | • | • | • | • | • | Nairn. |
| *a* Aberdeen | 46 | 54 | 7th | 45 | 2, 3 | 52·3 | 47·1 | 49·7 | + 5·1 | 54 | 0 | 7 | 1·87 | + 1·20 | 0·4 | - 2·2 | 4 | • | • | • | • | 49·3 | +0·8 | Aberdeen. |
| *a* Balmoral | 930 | 56 | 7th. | 37 | 7th | 51·1 | 41·6 | 46·4 | + 5·5 | 32 | 1 | 7 | 2·79 | + 1·89 | • | • | • | 0 | 34 | • | • | • | • | Balmoral. |
| *p* Crieff | 432 | 54 | 7th | 40 | 3rd | 50·4 | 42·7 | 46·6 | + 2·4 | 32 | 0 | 6 | 1·66 | + 0·70 | ◦ | — | • | • | • | • | • | • | • | Balruddery. |
| *a* Leith | 18 | 56 | 6th | 39 | 5th | 53·6 | 45·3 | 49·5 | + 3·6 | 53 | 0 | 4 | 0·71 | + 0·25 | • | • | • | • | • | • | • | • | • | |
| *a* West Linton | 770 | 52 | 6, 7 | 30 | 4th | 50·6 | 42·3 | 46·5 | + 3·8 | 32 | 0 | 6 | 0·66 | — | *1·2* | — | *13* | 1 | 24 | • | • | • | • | *West Linton.* |
| *p* Marchmont | 498 | 53 | 7th | 33 | 4th | 50·4 | 43·0 | 46·7 | + 3·4 | 33 | 0 | 7 | 1·03 | + 0·25 | 0·9 | - 1·3 | 10 | 1 | 30 | • | • | • | • | Marchmont. |
| *a Edinburgh* | *441* | *54* | *6th* | *43* | *4th* | *51·3* | *45·1* | *48·2* | — | *43* | *0* | *3* | *0·65* | — | 1·1 | — | 12 | 0 | 32 | • | • | • | • | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 54 | 1, 7 | 40 | 4th | 51·9 | 43·7 | 47·8 | + 2·2 | 41 | 0 | 6 | 1·20 | 0·00 | • | • | • | • | • | • | • | • | • | |
| *p* Glasgow Observatory | 180 | 54 | 3rd | 39 | 4th | 52·0 | 46·0 | 49·0 | + 4·2 | 49 | 0 | 6 | 0·71 | - 0·09 | 0·7 | - 0·9 | 8 | 0 | 31 | • | • | • | • | Glasgow. |
| *p* Rothesay | 90 | 55 | 7th | 42 | 7th | 52·4 | 46·1 | 49·3 | + 3·8 | 51 | 0 | 5 | 0·52 | - 0·07 | *1·3* | — | *14* | 0 | 39 | 47·9 | • | 50·0 | +0·6 | *Rothesay.* |
| *a* Kilmarnock | 90 | 55 | 4th | 35 | 4, 7 | 53·4 | 42·6 | 48·0 | + 3·2 | 42 | 0 | 5 | 0·47 | — | *1·8* | — | *20* | • | • | • | • | • | • | *Kilmarnock.* |
| *a* Colmonell | 170 | 59 | 2, 4 | 39 | 4th | 56·0 | 43·6 | 49·8 | + 4·8 | 55 | 0 | 5 | 0·96 | - 0·17 | • | • | • | 0 | 33 | • | • | • | • | |
| *p* Dumfries | 160 | 55 | 4th | 37 | 4th | 53·7 | 45·1 | 49·4 | + 3·9 | 52 | 0 | 4 | 0·57 | - 0·29 | 2·7 | — | *29* | 0 | 31 | 47·7 | • | 50·9 | • | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 57 | 4th | 39 | 4, 7 | 54·1 | 43·1 | 48·6 | + 3·8 | 46 | 0 | 5 | 1·86 | + 0·67 | • | • | • | • | • | • | • | • | • | |
| *b.* I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 55 | 3rd | 43 | 7th | 53·6 | 47·3 | 50·5 | + 3·5 | 60 | 0 | 4 | 0·78 | - 0·29 | 1·8 | - 0·9 | 19 | 0 | 36 | • | • | • | • | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 219 | 55 | 7th | 35 | 4th | 52·1 | 44·0 | 48·1 | + 3·5 | 43 | 0 | 6 | 1·48 | + 0·67 | 0·8 | — | 9 | 1 | 29 | 47·4 | +3·5 | 49·1 | +1·3 | Cockle Park. |
| *a* Tynemouth | 72 | 54 | 6, 7 | 41 | 5th | 52·4 | 45·4 | 48·9 | + 3·2 | 48 | 0 | 4 | 0·83 | + 0·21 | • | • | • | • | • | • | • | • | • | *Tynemouth.* |
| *p* Durham | 336 | 56 | 7th | 35 | 4th | 51·6 | 43·6 | 47·6 | + 3·0 | 39 | 0 | 7 | 1·08 | + 0·42 | 0·7 | - 1·7 | 8 | 0 | 35 | • | • | • | • | Durham. |
| *a* North ... *p* Rounton | 249 | 56 | 1st | 37 | 4th | 53·2 | 42·9 | 48·1 | + 4·1 | 43 | 0 | 6 | 0·55 | - 0·16 | • | • | • | 0 | 32 | 48·5 | • | • | • | Rounton. |
| *a West Witton* | *605* | *52* | *6, 7* | *33* | *4th* | *50·7* | *42·7* | *46·7* | — | *33* | *0* | *5* | *1·37* | — | • | • | • | 1 | 29 | 47·4 | • | 49·2 | • | *West Witton.* |
| *p* Scarborough | 100 | 58 | 4th | 42 | 7th | 54·6 | 46·7 | 50·7 | + 4·3 | 61 | 0 | 6 | 0·71 | + 0·02 | 0·6 | — | 6 | • | • | • | • | 52·0† | • | Scarborough. |
| *p* York | 56 | 57 | 7th | 42 | 2, 4 | 54·0 | 46·0 | 50·0 | + 4·3 | 56 | 0 | 6 | 1·09 | + 0·54 | 0·8 | - 1·3 | 9 | • | • | 49·9 | +1·2 | 52·3 | +0·4 | York. |
| *a* Spurn Head | 26 | 56 | 4th | 45 | 4th | 54·1 | 47·4 | 50·8 | + 3·6 | 62 | 0 | 4 | 0·71 | + 0·22 | *0·6* | — | *6* | 0 | 34 | 47·3 | +0·7 | 51·9 | +0·1 | *Hull.* |
| *a* Lincoln | 58 | 59 | 4th | 40 | 7th | 55·0 | 45·4 | 50·2 | + 4·6 | 57 | 0 | 6 | 0·53 | + 0·03 | *1·0* | — | *11* | • | • | • | • | • | • | *Spurn Head.* |
| *a* Fulbeck | 180 | 59 | 4th | 42 | 2nd | 54·9 | 44·9 | 49·9 | + 4·7 | 55 | 0 | 6 | 0·70 | + 0·20 | • | • | • | • | • | 48·5 | +1·1 | 52·0 | +0·3 | Lincoln. |
| | | | | | | | | | | | | | | | 1·9 | — | 20 | 0 | 35 | 49·8 | +2·7 | 52·8 | +0·5 | Rauceby. |
| | | | | | | | | | | | | | | | 1·5 | — | 16 | • | • | • | • | • | • | Skegness. |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | *3·1* | — | *33* | 0 | 39 | 50·7 | +1·9 | 53·6 | +0·4 | *Lowestoft.* |
| *p* Cromer | 198 | 62 | 3rd | 46 | 4th | 58·1 | 47·9 | 52·0 | + 6·0 | 70 | 0 | 6 | 0·51 | — | 1·6 | — | 17 | • | • | • | • | • | • | Cromer. |
| *p* Little Massingham | 280 | 57 | 3rd | 38 | 7th | 53·6 | 42·9 | 48·3 | + 2·8 | 44 | 0 | 7 | 0·88 | + 0·24 | 1·5 | - 1·0 | 16 | 0 | 33 | • | • | • | • | Lit. Massingham. |
| *a* North ... *a* Yarmouth | 17 | 58 | 3rd | 43 | 4th | 55·4 | 45·7 | 50·6 | + 3·7 | 60 | 0 | 6 | 0·40 | - 0·23 | 2·3 | — | 25 | • | • | 49·4 | +1·6 | 54·0 | +0·6 | Yarmouth. |
| *a* Norwich | 93 | 59 | 3rd | 39 | 4th | 55·9 | 44·3 | 50·1 | + 4·9 | 57 | 0 | 6 | 0·62 | — | *2·3* | — | *25* | 0 | 34 | 48·3 | • | • | • | *Norwich.* |
| *a* Geldeston | 37 | 61 | 3rd | 39 | 4th | 57·6 | 45·0 | 51·3 | + 4·5 | 65 | 0 | 7 | 0·55 | - 0·05 | 2·9 | + 0·2 | 31 | • | • | • | • | • | • | Geldeston. |
| *p* Cambridge | 41 | 60 | 6th | 36 | 7th | 57·6 | 43·3 | 50·5 | + 4·5 | 60 | 0 | 5 | 0·73 | + 0·23 | 3·5 | + 0·8 | 37 | 2 | 26 | 49·6 | +1·4 | 53·4 | +0·3 | Cambridge. |
| *a Felixstowe* | *10* | *59* | *6th* | *40* | *7th* | *56·9* | *47·9* | *52·4* | + 4·7 | *73* | *0* | *6* | *0·73* | — | *4·5* | — | *47* | • | • | • | • | • | • | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 59 | 6th | 39 | 7th | 56·0 | 48·1 | 52·1 | + 4·4 | 71 | 0 | 4 | 0·37 | — | 4·6 | — | 48 | 0 | 37 | 51·7 | +0·5 | 54·2 | +0·3 | Clacton. |
| *a* Rothamsted | 424 | 60 | 4th | 36 | 7th | 57·9 | 42·7 | 49·9 | + 5·1 | 55 | 0 | 7 | 0·86 | + 0·19 | 2·8 | + 0·1 | 29 | • | • | • | • | • | • | Rothamsted. |
| *a Shoeburyness* | *13* | *59* | *6th* | *39* | *4th* | *56·4* | *45·4* | *50·9* | + 2·9 | *62* | *0* | *5* | *0·47* | + *0·02* | *4·1* | — | *43* | 0 | 37 | 52·0 | +1·6 | • | • | *Southend.* |
| *p* Tottenham | 51 | 61 | 5th | 40 | 7th | 58·3 | 45·4 | 51·9 | + 5·3 | 69 | 0 | 5 | 0·82 | — | 2·1 | • | 22 | 0 | 33 | • | • | 54·9 | +0·1 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | *0·8* | — | *9* | 0 | 32 | 47·8 | +1·3 | 51·0 | +0·3 | *Huddersfield.* |
| *a* Harrogate | 476 | 54 | 7th | 36 | 4th | 50·9 | 43·1 | 47·0 | + 2·5 | 35 | 0 | 7 | 1·20 | + 0·52 | 0·8 | — | 9 | 0 | 31 | 48·5 | +1·5 | 50·0 | +1·0 | Harrogate. |
| *a* Bawtry | 65 | 55 | 6th | 36 | 2nd | 53·1 | 42·6 | 47·9 | + 2·9 | 41 | 0 | 7 | 0·73 | + 0·29 | 1·2 | - 1·0 | 13 | 0 | 32 | 48·7 | • | 50·8 | • | Worksop. |
| *p Buxton* | *987* | *52* | *5th* | *37* | *4th* | *49·7* | *42·6* | *46·2* | + *3·4* | *29* | *0* | *3* | *1·09* | - *0·14* | *0·7* | — | *7* | 0 | 33 | 46·8 | +1·0 | 50·5 | 0·0 | *Buxton.* |
| *a* East ... *a* Nottingham | 82 | 58 | 3, 4 | 39 | 7th | 55·4 | 43·4 | 49·4 | + 3·8 | 52 | 0 | 5 | 0·87 | + 0·37 | 2·0 | — | 21 | 0 | 38 | 49·3 | +3·1 | 51·6 | +0·2 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 56 | 5th | 41 | 6th | 53·0 | 44·3 | 48·7 | + 3·2 | 47 | 0 | 6 | 1·51 | + 0·94 | 1·6 | — | 17 | 1 | 29 | 48·6 | +1·9 | 51·2 | +0·5 | Birmingham. |
| *a* Raunds | 203 | 60 | 4th | 35 | 7th | 57·3 | 42·3 | 49·8 | + 4·5 | 55 | 0 | 4 | 0·68 | — | *3·0* | — | *31* | 1 | 29 | 51·3 | • | 54·0 | • | *Raunds.* |
| *p* Oxford | 208 | 58 | 3rd | 34 | 7th | 55·3 | 45·6 | 50·5 | + 4·2 | 60 | 0 | 7 | 1·29 | + 0·71 | 2·1 | - 0·5 | 22 | 0 | 31 | • | • | • | • | Oxford. |
| | | | | | | | | | | | | | | | 1·1 | — | 12 | 0 | 36 | 48·8 | +1·6 | 51·1 | 0·0 | Sheffield. |
| *a* Cheadle | 646 | 57 | 1st | 43 | 7th | 51·7 | 45·1 | 48·4 | + 3·9 | 45 | 0 | 5 | 1·23 | + 0·55 | • | • | • | 0 | 35 | • | • | • | • | Cheadle. |
| *p* Shrewsbury | 191 | 58 | 3, 7 | 36 | 7th | 55·0 | ?42·0 | ?48·5 | ?+ 2·4 | ?46 | 0 | 4 | 1·38 | — | • | • | • | 0 | 31 | • | • | • | • | Shrewsbury. |
| *b*, West ... *a* Hereford§ | 291 | 58 | 6th | 33 | 7th | 54·3 | 42·4 | 48·4 | + 2·4 | 45 | 0 | 5 | 1·10 | + 0·53 | *2·6* | — | *27* | 1 | 26 | 49·3 | • | 52·4 | • | *Malvern.§* |
| *a* Cirencester | 446 | 54 | 5, 6 | 34 | 7th | 52·4 | 45·9 | 49·2 | + 4·7 | 50 | 0 | 7 | 1·83 | + 1·15 | 1·8 | - 0·8 | 19 | 0 | 32 | 49·4 | • | 52·1 | • | Cirencester. |
| *a* Bath | 66 | 60 | 5th | 37 | 7th | 57·1 | 44·1 | 50·6 | + 3·4 | 60 | 0 | 6 | 1·91 | + 1·23 | 2·4 | — | 25 | • | • | 50·5 | +0·1 | 53·4 | -1·5 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | • | • | • | 0 | 35 | 49·3 | +0·5 | 53·8 | +1·1 | Canterbury. |
| *p* Kew | 18 | 60 | 5, 6 | 38 | 7th | 57·6 | 45·3 | 51·5 | + 5·0 | 67 | 0 | 5 | 0·45 | - 0·12 | 2·8 | + 0·5 | 29 | 0 | 37 | 49·5 | +1·4 | 52·2 | -0·9 | Kew. |
| *a* Marlborough | 424 | 57 | 3rd | 31 | 7th | 54·3 | 44·0 | 49·2 | + 4·4 | 50 | 0 | 6 | 3·07 | + 2·29 | 0·7 | - 1·8 | 7 | 1 | 26 | 49·9 | • | 52·4 | • | Marlborough. |
| *a* Margate | 35 | 62 | 6th | 47 | 1, 2, 7 | 58·3 | 49·0 | 53·7 | + 5·5 | 82 | 0 | 3 | 0·39 | - 0·23 | 4·5 | + 1·7 | 47 | 0 | 45 | 51·5 | +3·3 | 54·4 | +1·5 | Margate. |
| *a* Wisley, Surrey | 150 | 60 | 3, 5, 6 | 33 | 7th | 57·6 | 44·1 | 50·9 | + 3·7 | 62 | 0 | 5 | 0·58 | — | 3·3 | — | 34 | 1 | 26 | 49·6 | +1·5 | 52·6 | 0·0 | Wisley. |
| | | | | | | | | | | | | | | | 4·4 | — | 46 | 0 | 34 | 51·9 | +1·8 | 54·3 | -0·3 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 59 | 3, 6 | 32 | 7th | 56·4 | 43·3 | 49·9 | + 4·0 | 55 | 0 | 6 | 3·76 | + 2·98 | • | • | • | 1 | 30 | 50·9 | • | • | • | Salisbury. |
| *a* Tunbridge Wells | 354 | 60 | 5, 6 | 36 | 7th | 56·0 | 45·3 | 51·7 | + 5·5 | 68 | 0 | 5 | 0·50 | - 0·29 | 3·8 | + 1·0 | 40 | 0 | 31 | 50·5 | +2·4 | 53·3 | • | Tunbridge Wells |
| *a* Dungeness | 21 | 60 | 6th | 42 | 7th | 58·1 | 50·1 | 54·1 | + 5·1 | 85 | 0 | 3 | 0·34 | - 0·31 | • | • | • | • | • | • | • | • | • | Littlestone. |
| *p* Hastings | 178 | 60 | 6th | 45 | 7th | 58·7 | 50·4 | 54·6 | + 5·9 | 88 | 0 | 3 | 0·53 | - 0·25 | *4·5* | + *1·4* | *47* | 0 | 38 | 52·7 | • | 54·4 | • | *Hastings.* |
| *p* Southampton | 65 | 60 | 4th | 35 | 7th | 57·1 | 47·0 | 52·1 | + 3·9 | 71 | 0 | 6 | 1·27 | + 0·47 | 2·1 | - 0·7 | 22 | 1 | 29 | • | • | • | • | Southampton. |
| *a* Ventnor | 80 | 61 | 6th | 47 | 7th | 58·7 | 51·1 | 54·9 | + 5·2 | 99 | 0 | 4 | 0·51 | - 0·06 | 4·0 | + 0·9 | 42 | • | • | • | • | • | • | Ventnor. |
| | | | | | | | | | | | | | | | *3·9* | • | *41* | 0 | 33 | 51·9 | +2·0 | 54·9 | +0·3 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 4·2 | + 1·2 | 44 | • | • | 52·9 | • | 55·7 | • | Eastbourne. |
| | | | | | | | | | | | | | | | *2·5* | — | *28* | • | • | 50·6 | • | 52·3 | • | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | *4·4* | + *1·3* | *46* | 0 | 38 | • | • | 54·4 | • | *Brighton.* |
| *a Westminster* | *27* | *62* | *5th* | *41* | *7th* | *58·4* | *47·5* | *53·0* | + *6·4* | *77* | *0* | *5* | *0·79* | + *0·23* | *2·2* | + *0·6* | *23* | 0 | 40 | • | • | • | • | *Westminster.* |
| *a Greenwich* | *155* | *62* | *6th* | *41* | *4, 7* | *58·1* | *45·4* | *51·8* | + *5·2* | *69* | *0* | *5* | *0·43* | - *0·13* | *3·4* | + *1·2* | *35* | 1 | 29 | • | • | • | • | *Greenwich.* |
| *a Hampstead* | *450* | *59* | *5th* | *34* | *7th* | *56·0* | *41·6* | *48·8* | — | *49* | *1* | *6* | *0·71* | — | *2·4* | — | *25* | 1 | 24 | • | • | • | • | *Hampstead.* |
| *a Camden Square* | *110* | *61* | *5th* | *41* | *7th* | *57·1* | *45·7* | *51·4* | — | *66* | *0* | *5* | *0·87* | — | *1·3* | — | *19* | 0 | 39 | • | • | • | • | *Camden Square.* |
| | | | | | | | | | | | | | | | *1·5* | — | *16* | 0 | 33 | 47·6 | +1·9 | 50·4 | +0·2 | *Burnley.* |
| | | | | | | | | | | | | | | | 1·9 | — | 20 | • | • | • | • | • | • | Hoylake. |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | 3·1 | — | 33 | 0 | 34 | 46·9 | • | 50·2 | • | Aspatria. |
| *p* Aspatria | 250 | 57 | 3rd | 36 | 4th | 53·4 | 42·9 | 48·2 | + 3·2 | 43 | 0 | 3 | 0·79 | - 0·15 | 1·0 | - 1·2 | 11 | 3 | 25 | 47·4 | +0·3 | 49·5 | -0·3 | Newton Rigg. |
| *p* Newton Rigg | 559 | 54 | 7th | 31 | 4th | 52·1 | 40·9 | 46·5 | + 2·9 | 36 | 3 | 5 | 0·93 | + 0·07 | 1·5 | - 0·7 | 16 | 0 | 32 | • | • | • | • | Stonyhurst. |
| *p* Stonyhurst | 375 | 54 | 3rd | 41 | 4th | 52·6 | 45·1 | 48·9 | + 4·2 | 48 | 0 | 6 | 1·06 | + 0·02 | 2·8 | + 0·5 | 30 | 0 | 33 | 49·9 | • | 52·2 | • | Blackpool. |
| *p* Blackpool | 66 | 55 | 2, 3 | 41 | 4th | 54·1 | 45·4 | 49·8 | + 3·2 | 55 | 0 | 5 | 0·51 | - 0·34 | *2·0* | - *0·2* | *21* | 0 | 33 | 46·8 | +0·6 | 50·5 | -0·3 | *Southport.* |
| *a Southport* | *37* | *57* | *3rd* | *40* | *4th* | *54·0* | *44·6* | *49·3* | + *2·9* | *51* | *0* | *6* | *0·81* | *0·00* | *1·8* | — | *19* | 0 | 33 | • | • | • | • | *Liverpool.* |
| *a* Liverpool (Bidston) | 188 | 56 | 5th | 43 | 4th | 53·3 | 45·4 | 49·4 | + 2·5 | 52 | 0 | 4 | 0·67 | - 0·03 | *0·6* | — | *6* | 0 | 35 | 49·3 | +2·0 | 53·2 | +0·4 | *Manchester (City).* |
| *a Hawarden Bridge* | *22* | *57* | *3rd* | *38* | *4th* | *53·9* | *44·4* | *49·2* | + *1·6* | *50* | *0* | *4* | *1·33* | + *0·71* | *0·6* | — | *6* | 0 | 35 | 49·3 | +2·0 | 53·2 | +0·4 | " *(Whit. Park).* |
| *p* Manchester (Whit. Pk.) | 125 | 58 | 5th | 44 | 4, 7 | 54·1 | 46·5 | 50·3 | + 4·6 | 58 | 0 | 5 | 0·52 | - 0·18 | *1·2* | - *0·1* | *13* | • | • | • | • | • | • | |
| *b* NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 57 | 4th | 44 | 2–4 | 53·7 | 45·9 | 49·8 | + 1·3 | 55 | 0 | 4 | 0·56 | - 0·24 | 2·4 | + 0·1 | 26 | • | • | • | • | • | • | Llandudno. |
| *a* Holyhead | 15 | 59 | 4th | 44 | 4, 5 | 54·9 | 46·6 | 50·8 | + 2·1 | 62 | 0 | 5 | 1·11 | + 0·19 | *1·8* | — | *19* | • | • | • | • | • | • | *Holyhead.* |
| *Bettws-y-Coed* | *148* | *55* | *3, 4* | *36* | *4th* | *53·1* | *40·4* | *46·8* | - *1·2* | *40* | *4* | *5* | *0·52* | — | *1·9* | — | *20* | • | • | 47·4 | +1·2 | 50·9 | +0·3 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 2·0 | — | 21 | • | • | • | • | • | • | Aberdovey. |

* For notes see also opposite page. † At 3 ft. § The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 2·2 | — | 23 | | | | | | | |
| *a* Llangammarch Wells | 550 | 56 | 3rd | 32 | 7th | 52·9 | 40·7 | 46·8 | + 2·1 | 39 | 4 | 6 | 1·40 | — | 1·7 | — | 18 | 2 | 30 | 47·7 | -0·1 | 51·0 | -1·5 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 56 | 3, 4 | 41 | 7th | 54·9 | 47·3 | 51·1 | + 1·4 | 64 | 0 | 4 | 0·43 | - 0·47 | 2·5 | - 0·2 | 26 | | | | | | | Pembroke. |
| *p* Cardiff .. .. .. | 203 | 58 | 3rd | 37 | 7th | 54·7 | 45·4 | 50·1 | + 3·8 | 57 | 0 | 6 | 1·25 | + 0·22 | *1·6* | — | *17* | 0 | 33 | 49·3 | +1·5 | 52·9 | +0·2 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 220 | 58 | 5th | 40 | 7th | 55·0 | 46·4 | 50·7 | + 3·7 | 61 | 0 | 7 | 1·45 | + 0·65 | *1·8* | — | *19* | | | | | | | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 56 | 3, 6 | 38 | 7th | 53·1 | 43·4 | 48·3 | + 2·0 | 44 | 0 | 6 | 2·52 | + 1·71 | | | | | | 49·7 | | 53·3 | | Shaftesbury. |
| *a* Arlington .. .. | 613 | 57 | 5, 6 | 41 | 3rd | 54·7 | 44·6 | 49·7 | + 3·0 | 54 | 0 | 7 | 1·50 | + 0·08 | | | | | | | | | | Arlington. |
| *a Newquay* .. .. | *190* | *57* | *3, 4, 7* | *37* | *7th* | *56·0* | *43·3* | *49·7* | *- 0·2* | *54* | *0* | *5* | *1·38* | *+ 0·65* | 4·2 | + 1·1 | 44 | 0 | 33 | 50·7 | | 54·3 | | Newquay. |
| *a* Cullompton .. .. | 202 | 60 | 5th | 32 | 7th | 55·7 | 42·9 | 49·2 | + 2·3 | 51 | 0 | 7 | 0·96 | + 0·11 | 1·9 | - 0·6 | 20 | 1 | 29 | 49·9 | | | | Cullompton. |
| *a* Portland Bill .. .. | 19 | 59 | 6th | 47 | 7th | 57·3 | 50·6 | 54·0 | + 3·9 | 84 | 0 | 5 | 1·93 | — | *3·3* | — | *34* | | | | | | | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 60 | 3, 5 | 37 | 7th | 57·3 | 45·9 | 51·6 | + 2·2 | 67 | 0 | 5 | 1·27 | + 0·40 | 3·5 | + 0·6 | 36 | | | 50·2 | -0·4 | | | Plymouth. |
| *a* Falmouth .. .. | 167 | 59 | 4, 5 | 40 | 4th | 57·3 | 43·6 | 50·5 | + 0·5 | 60 | 0 | 2 | 0·44 | - 0·67 | 4·2 | + 0·9 | 43 | 0 | 32 | 51·8 | | 55·2 | | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. { *a* Malin Head .. .. | 208 | 55 | 1, 4 | 41 | 4th | 53·1 | 46·1 | 49·6 | + 2·4 | 53 | 0 | 5 | 0·75 | + 0·01 | *2·0* | — | *22* | | | | | | | *Malin Head.* |
| *a* Blacksod Point .. | 37 | 54 | 4, 6, 7 | 39 | 3rd | 52·9 | 44·4 | 48·7 | + 0·3 | 47 | 0 | 5 | 0·79 | - 0·41 | | | | | | | | | | |
| *p* Markree Castle .. | 122 | 57 | 6th | 31 | 7th | 54·1 | 38·4 | 46·3 | + 0·8 | 45 | 10 | 4 | 0·26 | - 0·70 | 2·2 | + 0·2 | 24 | 2 | 28 | 50·1 | | 52·9 | | Markree Castle |
| *a* Birr Castle .. .. | 175 | 56 | 7th | 34 | 4, 7 | 53·6 | 39·9 | 46·8 | + 1·3 | 42 | 6 | 5 | 0·35 | - 0·36 | *2·9* | *+ 0·2* | *31* | | | | | | | *Birr Castle.* |
| *b*, East .. { *p* Armagh .. .. | 196 | 55 | 6th | 35 | 7th | 53·3 | 40·0 | 46·7 | + 1·1 | 41 | 6 | 6 | 0·43 | - 0·21 | 1·7 | — | 18 | 0 | 31 | 48·4 | +0·4 | 51·6 | -0·1 | Armagh. |
| *a* Donaghadee .. .. | 101 | 55 | 7th | 40 | 7th | 53·1 | 46·1 | 49·6 | + 2·6 | 53 | 0 | 4 | 0·64 | - 0·03 | | | | 0 | 33 | 49·8 | +0·9 | 52·0 | 0·0 | Trinity Coll. |
| | | | | | | | | | | | | | | | 2·4 | - 0·6 | 26 | 1 | 30 | | | | | Phœnix Park. |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | | | | 0 | 38 | | | | | Dublin City. |
| *p* Dublin, City .. .. | 47 | 55 | 6th | 39 | 7th | 53·1 | 44·3 | 48·7 | + 1·0 | 47 | 0 | 6 | 0·96 | + 0·35 | | | | | | | | | | |
| *a* Kilkenny .. .. | 212 | 57 | 7th | 33 | 7th | 53·7 | 39·9 | 46·8 | + 0·7 | 42 | 6 | 7 | 1·10 | + 0·40 | | | | | | | | | | |
| *a*, East .. { *a* Waterford .. .. | 20 | 56 | 4, 7 | 34 | 7th | 53·7 | 41·4 | 47·6 | + 0·3 | 42 | 2 | 6 | 1·17 | + 0·29 | | | | | | | | | | |
| *a Seskin, Carrick-on-Suir* | *541* | *55* | *7th* | *37* | *3rd* | *51·7* | *42·4* | *47·1* | — | *36* | *0* | *7* | *0·93* | — | *3·0* | — | *32* | 0 | 31 | | | | | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 56 | 7th | 34 | 4, 7 | 53·6 | 39·9 | 46·8 | + 1·3 | 42 | 6 | 5 | 0·35 | - 0·36 | 2·9 | + 0·2 | 31 | | | | | | | Birr Castle. |
| *a* Foynes .. .. .. | 50 | 56 | 7th | 36 | 3rd | 53·0 | 41·6 | 47·3 | - 0·2 | 39 | 1 | 4 | 0·47 | - 0·41 | | | | | | | | | | |
| *a* Cahir .. .. .. | 199 | 58 | 7th | 32 | 7th | 54·1 | 39·0 | 46·6 | - 0·7 | 45 | 8 | 5 | 0·61 | — | | | | | | | | | | |
| *b*, West .. { *a* Killarney .. .. | 174 | 61 | 7th | 38 | 3, 6 | 56·7 | 40·1 | 48·4 | + 0·4 | 53 | 5 | 4 | 0·33 | - 0·97 | | | | | | | | | | |
| *a* Valencia .. .. | 30 | 57 | 4th | 36 | 1st | 55·0 | 40·7 | 47·9 | - 1·6 | 47 | 4 | 4 | 0·28 | - 0·99 | 2·9 | + 0·1 | 30 | | | | | | | Valencia. |
| *a* Roche's Point .. .. | 32 | 57 | 7th | 40 | 4th | 55·3 | 44·1 | 49·7 | + 0·3 | 54 | 0 | 7 | 0·66 | - 0·29 | 3·9 | — | 41 | | | | | | | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 58 | 4th | 46 | 2nd | 56·7 | 48·3 | 52·5 | + 0·5 | 74 | 0 | 3 | 0·61 | - 0·19 | 4·5 | + 1·3 | 46 | | | | | | | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 62 | 6th | 43 | 7th | 59·4 | 48·3 | 53·9 | + 2·2 | 83 | 0 | 4 | 0·59 | - 0·38 | 3·7 | + 0·3 | 38 | | | | | | | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 60 | 3, 4 | 45 | 7th | 58·3 | 48·9 | 53·6 | + 2·1 | 81 | 0 | 5 | 0·70 | - 0·34 | 3·0 | + 0·1 | 31 | 0 | 37 | 52·8 | +0·3 | 56·2 | -0·1 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 4·5 hrs. 47 °/₀; Ramsgate, 5·2 hrs. 54 °/₀; Rhyl, 2·4 hrs. 26 °/₀; Salcombe, 3·8 hrs. 40 °/₀; Tenby, 2·1 hrs. (- 0·7) 22 °/₀; Torquay, 3·2 hrs. (+0·3) 33 °/₀.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Nov. 7th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | ? | ? | ? | ? |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 51 | 48 | 49·2 | +0·7 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 47 | 45 | 46·3 | -2·0 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 55 | 55 | 55·0 | +1·4 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 54 | 53 | 53·4 | +0·6 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 55 | 53 | 53·3 | +0·8 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 55 | 52 | 53·6 | — |
| Plymouth‡ .. .. | 56 | 55 | 55·2 | -0·2 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | — | — | — | — |
| Seafield .. .. | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of WIND RECORDS from PRESSURE TUBE ANEMOGRAPHS. [1914.]

Week ending at midnight (24h.) on Saturday, November 7th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | — | — | 40 | 128 | | | |
| Aberdeen* .. .. | 105 | — | — | 1 to 3, 5 | 20 | 64 | 84 | E. by S. 9 | 3rd 4h. | 19 3rd 3. 10 |
| Rosyth .. .. | 73 | — | — | 2nd | 2 | 47 | 119 | ESE. 15 | 3rd 4h. | 22 3rd 3. 10 |
| **6.** SCOTLAND, W. | | | | | | | | E. 13 | 2nd 23h. | 19 2nd 22. 55 |
| Eskdalemuir .. | 50 | — | — | — | — | 41 | 127 | | | |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 5 | 163 | E. by S. 10 | 3rd 3h. | 15 2nd 19. 10 |
| **2.** ENGLAND, N.E. | | | | | | | | E. 7 | 2nd 23h. | 17 2nd 23. 5 |
| Alnwick Castle .. | 70 | — | — | — | — | 22 | 146 | | | |
| South Shields .. | 61 | — | — | 2nd | 6 | 67 | 95 | SE. by E. 10 | 2nd 21h. | 15 2nd 20. 10 |
| Spurn Head .. | 40 | — | — | 2nd | 6§ | 58§ | 71§ | ESE. 13 | 2nd 19h. | 19 2nd 19. 15 |
| **3.** ENGLAND, E. | | | | | | | | SE. by E. 12 | 2nd 16h. | 17 2nd 13. 55 |
| Gorleston .. .. | 42 | — | — | 2nd | 10 | 84 | 74 | — 13 | 2nd 18h. | 17 2nd 5. 55 |
| Shoeburyness .. | 90 | — | — | 1st | 2 | 63 | 103 | — 11 | 1st 4h. | 14 1st 4. 15 |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 2nd | 1 | 62 | 105 | — 11 | 2nd 12h. | 17 2nd 12. 10 |
| Warlingham .. | 33 | — | — | — | — | 27 | 141 | — 8 | 2nd 19h. | 17 2nd 22. 5 |
| Brighton .. .. | 53 | — | — | 1, 2 | 2 | 69 | 97 | — 12 | 1st 1h. | 18 2nd 14. 10 |
| Kew† .. .. | 65 | — | — | — | — | 8 | 160 | ESE. 6 | 1st 8h. | 13 2nd 17. 10 |
| South Kensington | 92 | — | — | — | — | — | 168 | S. 5 | 2nd 17h. | 11 2nd 16. 30 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | — | 163 | ESE. 5 | 1st 12h. | 11 1st 12. 5 |
| Southport .. .. | 62 | — | — | — | — | 69 | 99 | E. 11 | 1st 11h. | 16 1st 11. 5 |
| Holyhead* .. .. | 40 | — | — | 1, 5 | 17 | 72 | 79 | E. by S. 15 | 1st 11h. | 18 1st 8. 15 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle* | 65 | — | — | 1, 4 | 13 | 52 | 103 | NE. 14 | 1st 1h. | 19 1st 0. 45 |
| Plymouth .. .. | 88 | — | — | 1st | 10 | 6 | 152 | — 15 | 1st 5h. | 21 1st 3. 50 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 1st | 4 | 68 | 96 | — 12 | 1st 14h. | 18 1st 13. 50 |
| Weaver Pt. .. | 30 | — | — | 1st | 4 | 41 | 123 | — 12 | 1st 16h. | 17 1st 15. 45 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly* .. .. | 19 | — | — | — | — | — | — | — — | — — | — — — |

* Wind Direction is taken from the Robinson Instrument.

† Until May 9th the anemograph was about ½ mile East of the Observatory with a vane 40 ft. above ground. The instrument now used is on the Observatory Building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day. The rims of the gauges are 1 foot above the ground.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

## [Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**FORTY-FOURTH WEEK**—November 1st to November 7th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Means of | | | | Accumulated Number of Day-Degrees. | | | | | | | | | | | |
| | Highest. | Lowest. | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 57 | 37 | 51·5 | 44·1 | 47·8 | + 3·8 | 41 | + 14 | 0 | −11 | 6 | 0 | 1·02 | −0·27 | 0·9 | −0·9 | 10 | 1009 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 56 | 30 | 51·4 | 43·3 | 47·4 | + 4·2 | 38 | + 10 | 0 | −15 | 6 | + 1 | 1·47 | +0·71 | 0·7 | −1·4 | 8 | 1008 |
| 2. ENGLAND, N.E. ... ... | 59 | 35 | 53·5 | 45·1 | 49·4 | + 3·8 | 52 | + 18 | 0 | − 7 | 6 | + 2 | 0·85 | +0·19 | 1·1 | −1·2 | 11 | 1007 |
| 3. ENGLAND, EAST ... | 62 | 36 | 56·4 | 45·0 | 50·7 | + 4·4 | 61 | + 22 | 0 | − 8 | 6 | + 2 | 0·64 | +0·07 | 2·7 | −0·1 | 28 | 1007 |
| 4. MIDLAND COUNTIES ... | 60 | 33 | 54·1 | 43·7 | 48·9 | + 3·5 | 48 | + 12 | 0 | −10 | 6 | + 2 | 1·25 | +0·59 | 1·6 | −0·6 | 17 | 1006 |
| 5. ENGLAND, S.E. ... ... | 62 | 31 | 57·5 | 47·0 | 52·3 | + 4·3 | 72 | + 25 | 0 | − 5 | 5 | + 1 | 1·14 | +0·33 | 3·3 | +0·7 | 35 | 1007 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 59 | 35 | 53·4 | 44·7 | 49·1 | + 3·3 | 50 | + 16 | 0 | − 8 | 5 | 0 | 0·93 | −0·37 | 1·3 | −0·9 | 13 | 1007 |
| 7. ENGLAND, N.W. ... ... | 59 | 31 | 53·5 | 44·8 | 49·2 | + 2·6 | 50 | + 12 | 0 | − 6 | 5 | 0 | 0·77 | −0·14 | 2·1 | 0·0 | 22 | 1005 |
| 8. ENGLAND, S.W. ... ... | 60 | 32 | 55·3 | 45·1 | 50·2 | + 2·0 | 57 | + 9 | 0 | − 4 | 6 | + 1 | 1·32 | +0·22 | 2·9 | +0·4 | 30 | 1004 |
| 9. IRELAND, NORTH ... | 57 | 31 | 53·4 | 42·5 | 48·0 | + 1·9 | 42 | + 6 | 0 | − 7 | 5 | 0 | 0·54 | −0·40 | 2·0 | −0·4 | 21 | 1004 |
| 10. IRELAND, SOUTH ... | 61 | 32 | 54·2 | 41·2 | 47·8 | + 0·2 | 44 | − 2 | 2 | − 4 | 5 | 0 | 0·66 | −0·31 | 3·0 | +0·4 | 32 | 1004 |
| 11. ENGLISH CHANNEL ... | 62 | 43 | 58·1 | 48·5 | 53·3 | + 1·7 | 79 | + 12 | 0 | 0 | 4 | − 1 | 0·63 | −0·32 | 3·7 | +0·7 | 39 | 1003 |

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 10 Weeks, August 30th to November 7th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 75 | 30 | * | * | * | * | 578 | + 43 | 2 | −41 | 43 | − 7 | 6·25 | −5·28 | 2·7 | −0·2 | 24 | 1015 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 76 | 19 | * | * | * | * | 603 | + 28 | 27 | −28 | 34 | − 8 | 4·54 | −1·94 | 3·1 | −0·3 | 27 | 1015 |
| 2. ENGLAND, N.E. ... ... | 82 | 31 | * | * | * | * | 751 | + 76 | 0 | −23 | 31 | − 6 | 4·20 | −1·57 | 3·9 | +0·1 | 34 | 1017 |
| 3. ENGLAND, EAST ... | 82 | 29 | * | * | * | * | 840 | + 71 | 0 | −28 | 33 | − 3 | 3·73 | −1·68 | 4·3 | +0·1 | 37 | 1016 |
| 4. MIDLAND COUNTIES ... | 82 | 28 | * | * | * | * | 768 | + 64 | 11 | −26 | 30 | − 6 | 4·52 | −1·27 | 3·9 | +0·2 | 34 | 1017 |
| 5. ENGLAND, S.E. ... ... | 82 | 28 | * | * | * | * | 881 | + 31 | 1 | −17 | 29 | − 6 | 4·85 | −1·64 | 5·0 | +0·7 | 43 | 1017 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 77 | 28 | * | * | * | * | 684 | + 51 | 4 | −26 | 30 | −12 | 5·43 | −5·24 | 3·3 | −0·2 | 29 | 1016 |
| 7. ENGLAND, N.W. ... ... | 77 | 29 | * | * | * | * | 762 | + 47 | 1 | −16 | 32 | − 8 | 5·53 | −2·60 | 3·9 | +0·4 | 34 | 1016 |
| 8. ENGLAND, S.W. ... ... | 80 | 29 | * | * | * | * | 842 | + 38 | 0 | −13 | 33 | − 7 | 6·48 | −2·44 | 4·6 | +0·5 | 39 | 1017 |
| 9. IRELAND, NORTH ... | 75 | 27 | * | * | * | * | 728 | + 67 | 5 | −16 | 33 | −13 | 4·13 | −4·17 | 3·2 | −0·1 | 28 | 1015 |
| 10. IRELAND, SOUTH ... | 78 | 29 | * | * | * | * | 819 | + 69 | 5 | −13 | 31 | − 9 | 6·10 | −1·84 | 3·8 | 0·0 | 32 | 1017 |
| 11. ENGLISH CHANNEL ... | 82 | 39 | * | * | * | * | 1051 | + 45 | 0 | 0 | 33 | −11 | 7·46 | −0·11 | 5·0 | 0·0 | 43 | 1016 |

THE YEAR.—Aggregates, &c., for the Period of 44 Weeks, January 4th, 1914, to November 7th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 2224 | +217 | 393 | −207 | 197 | − 8 | 35·60 | −6·23 | 3·4 | 0·0 | 26 | 1010 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 2497 | +242 | 519 | −156 | 158 | −12 | 23·20 | −2·14 | 4·2 | +0·1 | 32 | 1011 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 2972 | +450 | 299 | −199 | 143 | −10 | 18·74 | −1·85 | 4·7 | +0·3 | 36 | 1013 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 3301 | +387 | 299 | −250 | 140 | − 8 | 17·40 | −2·38 | 5·1 | +0·3 | 40 | 1015 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 3154 | +321 | 378 | −192 | 143 | − 4 | 20·46 | −1·45 | 4·5 | +0·2 | 35 | 1015 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 3400 | +254 | 241 | −158 | 136 | − 5 | 22·17 | +0·23 | 5·5 | +0·6 | 43 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 2667 | +225 | 321 | −134 | 170 | − 7 | 32·36 | −6·02 | 4·1 | −0·1 | 32 | 1012 |
| 7. ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 2978 | +301 | 228 | −175 | 156 | − 7 | 25·69 | −2·76 | 4·6 | +0·3 | 36 | 1014 |
| 8. ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 3217 | +234 | 192 | −122 | 165 | + 4 | 33·38 | +2·70 | 5·0 | +0·2 | 39 | 1015 |
| 9. IRELAND, NORTH ... | 80 | 25 | * | * | * | * | 2769 | +217 | 251 | −115 | 185 | − 8 | 28·16 | −3·05 | 3·9 | 0·0 | 30 | 1012 |
| 10. IRELAND, SOUTH ... | 81 | 24 | * | * | * | * | 3174 | +244 | 179 | − 98 | 182 | +11 | 32·23 | 0·00 | 4·4 | 0·0 | 34 | 1014 |
| 11. ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 3697 | +236 | 72 | − 37 | 158 | −14 | 27·71 | +2·12 | 5·5 | −0·3 | 43 | 1016 |

M.O., November 11, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report. They are expressed in millibars (1000 = 29·531 mb mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 177

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 45. FORTY-FIFTH WEEK, SUNDAY, NOVEMBER 8TH, TO SATURDAY, NOVEMBER 14TH, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

In the earlier half of the week the weather over England was mostly fair and dry, with a temperature rather in excess of the normal. Ground frost occurred, however, in many districts early on the 8th. In Ireland and Scotland the conditions were less settled, and in the latter half of the period rain was experienced very generally, the fall being heavy at several places in the west and north. At Fort William as much as 1·18 in. of rain occurred on the 9th, and 1·25 in. on the 10th. At Huddersfield 1·09 in. occurred on the 11th, and at Burnley on the same day the measurement amounted to 1·26 in. Thunder and lightning were observed in several parts of Scotland and the north of Ireland on the 11th, and in Lancashire on the 13th. Towards the close of the week a brisk and general fall of temperature occurred, and on the 14th the thermometer at many stations in the north failed to reach 40°. Showers of snow and sleet were experienced in Scotland and the north of Ireland on the 13th, and afterwards spread southwards to the eastern and midland parts of England. Early on Sunday (Nov. 15th) the snow at Fulbeck and Newton Rigg lay to the depth of 4 ins. An aurora was seen at Aberdeen on the 11th.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Unusual | Moderate | Unusual | Moderate | Moderate | Unusual | Unusual | Unusual | Unusual | Moderate |
| | Rainfall ... | Heavy | Moderate | Moderate | Moderate | Moderate | Light | Heavy | Very heavy | Moderate | Heavy | Heavy | Moderate |
| | Sunshine ... | Moderate | Very abundant | Abundant | Moderate | Moderate | Moderate | Abundant | Abundant | Scanty | Moderate | Scanty | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 11 weeks from Aug. 30th, 1914. | Warmth ... | 4 * 2 | 4 * 1 | 6 * 1 | 5 * 1 | 5 * 1 | 4 * 2 | 4 * 2 | 6 * 2 | 4 * 1 | 7 * 1 | 4 * 1 | 4 * 1 |
| | Rainfall ... | 2 * 7 | 3 * 7 | 3 * 6 | 1 * 5 | 2 * 4 | 2 * 5 | 2 * 6 | 4 * 6 | 3 * 5 | 2 * 7 | 4 * 6 | 3 * 3 |
| | Sunshine ... | 3 * 4 | 3 * 5 | 3 * 4 | 2 * 3 | 3 * 4 | 5 * 2 | 2 * 3 | 5 * 1 | 3 * 4 | 1 * 3 | 2 * 3 | 2 * 4 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| | Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3 * 1 | 6 * 0 | 8 * 1 | 8 * 2 | 6 * 1 | 7 * 1 | 5 * 3 | 5 * 1 | 8 * 1 | 6 * 3 | 6 * 2 | 9 * 1 |
| | Rainfall ... | 5 * 2 | 5 * 5 | 4 * 6 | 4 * 5 | 4 * 5 | 5 * 4 | 6 * 4 | 4 * 5 | 7 * 6 | 5 * 5 | 4 * 6 | 6 * 5 |
| | Sunshine ... | 4 * 4 | 4 * 2 | 3 * 2 | 6 * 5 | 4 * 5 | 4 * 1 | 4 * 2 | 4 * 2 | 4 * 2 | 4 * 4 | 4 * 4 | 4 * 4 |
| SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. | Warmth ... | 5 * 0 | 6 * 3 | 6 * 1 | 6 * 1 | 5 * 2 | 5 * 2 | 7 * 2 | 5 * 1 | 5 * 2 | 6 * 1 | 4 * 2 | 5 * 3 |
| | Rainfall ... | 2 * 4 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 4 | 2 * 4 | 2 * 7 | 4 * 3 | 5 * 3 | 2 * 7 | 4 * 2 | 7 * 3 |
| | Sunshine ... | 6 * 2 | 4 * 3 | 4 * 5 | 5 * 3 | 6 * 5 | 5 * 2 | 3 * 4 | 6 * 4 | 3 * 5 | 5 * 3 | 4 * 4 | 1 * 6 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**
**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**
**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(3170—19.) Wt. 229—611. 450. 11/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | **Temperature of the Air.** In Degrees Fahrenheit. | | | | Mean for the Week. | | | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). | | **Rainfall.** | | | **Bright Sunshine.** Hours per Day. | | | **Ground Temperature.** | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed | Date. | Lowest observed. | Date. | Of Highest each day. | Of Lowest each day. | For whole of each day. | | Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean | Difference from Average. | Percentage of possible duration | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | 31 | 54 | 9th | 29 | 13, 14 | 44·3 | 37·7 | 41·0 | — | 6 | 17 | 7 | 2·07 | — | 0·9 | — | 11 | * | * | 44·2 | * | * | * | *Baltasound.* |
| *a* Lerwick | 54 | 53 | 8, 9 | 29 | 13, 14 | 43·7 | 39·3 | 41·5 | − 2·1 | 5 | 11 | 7 | 2·13 | — | 1·3 | − 0·4 | 16 | * | * | * | * | * | * | Deerness. |
| *a* Stornoway | 51 | 55 | 8, 9 | 30 | 14th | 48·1 | 38·6 | 43·4 | − 0·5 | 24 | 10 | 7 | 2·21 | + 0·88 | 0·7 | − 1·1 | 8 | * | * | * | * | * | * | Stornoway. |
| *a Castlebay, Barra Isd.* | 37 | 56 | 9th | 32 | 14th | 50·3 | 42·1 | 46·2 | − 0·4 | 29 | 0 | 7 | 1·10 | — | 1·2 | — | 14 | * | * | * | * | * | * | *Castlebay.* |
| *a* Wick | 81 | 57 | 9th | 29 | 14th | 46·9 | 38·3 | 42·6 | − 0·8 | 20 | 10 | 7 | 1·39 | + 0·74 | * | * | * | * | * | * | * | * | * | |
| *p* Strathpeffer | 200 | 59 | 9th | 29 | 14th | 51·3 | 38·1 | 44·7 | + 2·2 | 35 | 11 | 7 | 1·25 | + 0·60 | 1·2 | − 0·8 | 14 | * | * | * | * | * | * | Strathpeffer. |
| *p* Glencarron | 500 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | |
| *p* Fort Augustus | 68 | 56 | 8, 9 | 30 | 14th | 49·4 | 38·7 | 44·1 | + 0·9 | 29 | 9 | 6 | 2·63 | + 1·64 | 0·7 | − 0·4 | 8 | * | * | * | * | * | * | Fort Augustus. |
| *p* Fort William | 171 | 55 | 8, 9 | 29 | 14th | 49·0 | 39·6 | 44·3 | + 0·6 | 26 | 7 | 7 | 4·28 | + 2·46 | * | * | * | * | * | * | * | * | * | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle | 101 | 59 | 9th | 31 | 14th | 49·1 | 38·9 | 44·0 | + 0·2 | 27 | 9 | 7 | 0·78 | + 0·10 | 3·8 | — | 45 | 1 | 26 | 46·3 | +2·8 | 49·2 | +1·2 | Crathes S. |
| *a* Nairn | 82 | 58 | 9th | 31 | 14th | 48·1 | 38·7 | 43·4 | + 0·6 | 24 | 9 | 7 | 0·84 | + 0·36 | *2·0* | — | *24* | * | * | * | * | * | * | *Gordon Castle.* |
| *a* Aberdeen | 46 | 58 | 8th | 32 | 14th | 48·7 | 41·3 | 45·0 | + 1·4 | 24 | 2 | 7 | 0·49 | − 0·19 | 1·9 | — | 23 | * | * | * | * | * | * | Nairn. |
| *a* Balmoral | 930 | 62 | 9th | 29 | 14th | 51·4 | 34·3 | 42·9 | + 2·9 | 39 | 22 | 6 | 1·16 | + 0·26 | 3·6 | + 1·4 | 43 | * | * | * | * | 49·2 | +1·9 | Aberdeen. |
| *p* Crieff | 432 | 57 | 8th | 28 | 14th | 49·7 | 37·9 | 43·8 | + 0·8 | 30 | 11 | 6 | 0·87 | − 0·13 | * | * | * | 5 | 24 | * | * | * | * | Balmoral. |
| *a* Leith | 18 | 58 | 8, 9 | 35 | 14th | 52·0 | 42·3 | 47·2 | + 2·4 | 36 | 0 | 5 | 0·52 | + 0·07 | 3·8 | — | 44 | * | * | * | * | * | * | Balruddery. |
| *a* West Linton | 770 | 54 | 8th | 28 | 14th | 47·7 | 37·3 | 42·5 | + 1·0 | 23 | 13 | 7 | 1·14 | — | * | * | * | * | * | * | * | * | * | |
| *p* Marchmont | 498 | 55 | 9th | 28 | 14th | 50·6 | 37·9 | 44·3 | + 2·0 | 33 | 11 | 5 | 0·87 | + 0·11 | *3·0* | — | *35* | 3 | 18 | * | * | * | * | *West Linton.* |
| *a Edinburgh* | *441* | *56* | *8, 9* | *29* | *14th* | *49·9* | *40·7* | *45·3* | — | *29* | *4* | *5* | *0·62* | — | 2·9 | + 0·9 | 34 | 2 | 27 | * | * | * | * | Marchmont. |
| | | | | | | | | | | | | | | | 3·6 | — | 42 | 2 | 25 | * | * | * | * | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 55 | 8, 9 | 32 | 14th | 49·4 | 42·1 | 45·8 | + 1·2 | 27 | 0 | 6 | 1·57 | + 0·35 | * | * | * | * | * | * | * | * | * | |
| *p* Glasgow Observatory | 180 | 56 | 8, 9 | 32 | 14th | 50·3 | 41·4 | 45·9 | + 1·9 | 30 | 2 | 7 | 1·22 | + 0·40 | 2·3 | + 1·0 | 27 | 1 | 25 | * | * | * | * | Glasgow. |
| *p* Rothesay | 90 | 57 | 9th | 30 | 14th | 50·6 | 41·4 | 46·0 | + 1·3 | 31 | 2 | 7 | 1·61 | + 0·57 | *2·2* | — | *26* | 0 | 32 | 47·9 | * | 50·0 | +1·7 | *Rothesay.* |
| *a* Kilmarnock | 90 | 57 | 9th | 30 | 14th | 50·4 | 40·4 | 45·4 | + 1·8 | 31 | 4 | 7 | 1·49 | — | *2·6* | — | *30* | * | * | * | * | * | * | *Kilmarnock.* |
| *a* Colmonell | 170 | 57 | 9th | 36 | 14th | 51·6 | 42·7 | 47·2 | + 3·5 | 36 | 0 | 7 | 2·06 | + 0·88 | * | * | * | 0 | 32 | * | * | * | * | |
| *p* Dumfries | 160 | 56 | 8, 9 | 29 | 14th | 51·0 | 41·4 | 46·2 | + 2·1 | 32 | 2 | 7 | 1·21 | + 0·32 | *2·3* | — | *26* | 1 | 26 | 47·6 | * | 50·6 | * | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 55 | 8, 9 | 29 | 14th | 51·0 | 38·6 | 44·8 | + 0·9 | 34 | 10 | 7 | 2·94 | + 1·71 | * | * | * | * | * | * | * | * | * | |
| *b.* I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 56 | 8th | 34 | 14th | 51·4 | 43·7 | 47·6 | + 1·4 | 39 | 0 | 7 | 1·21 | + 0·13 | 3·3 | + 0·9 | 37 | 0 | 32 | * | * | * | * | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 219 | 57 | 8th | 32 | 14th | 50·7 | 41·3 | 46·0 | + 2·0 | 31 | 2 | 6 | 0·81 | + 0·03 | 3·8 | — | 41 | 1 | 27 | 44·9 | +3·0 | 48·8 | +2·4 | Cockle Park. |
| *a* Tynemouth | 72 | 57 | 8, 9 | 33 | 14th | 52·0 | 41·7 | 46·9 | + 2·2 | 36 | 1 | 4 | 0·28 | − 0·29 | * | * | * | * | * | * | * | * | * | *Tynemouth.* |
| *p* Durham | 336 | 56 | 8, 9 | 28 | 14th | 50·6 | 39·0 | 44·8 | + 1·2 | 32 | 8 | 6 | 0·56 | − 0·04 | 3·4 | + 1·3 | 38 | 1 | 24 | * | * | * | * | Durham. |
| *a*, North *p* Rounton | 249 | 57 | 8, 9 | 27 | 14th | 51·1 | 38·9 | 45·0 | + 1·6 | 34 | 9 | 5 | 0·42 | − 0·22 | * | * | * | 2 | 22 | 47·3 | * | * | * | Rounton. |
| *a West Witton* | *605* | *55* | *8th* | *30* | *14th* | *49·7* | *41·0* | *45·4* | — | *28* | *3* | *7* | *1·45* | — | * | * | * | 1 | 28 | 46·9 | * | 49·0 | * | *West Witton.* |
| *p* Scarborough | 100 | 57 | 9, 11 | 34 | 14th | 53·7 | 42·9 | 48·3 | + 2·9 | 44 | 0 | 3 | 0·74 | + 0·12 | 3·2 | — | 36 | * | * | * | * | 51·5† | * | Scarborough. |
| *p* York | 56 | 58 | 9th | 31 | 14th | 53·4 | 39·6 | 46·5 | + 2·1 | 42 | 7 | 5 | 0·65 | + 0·14 | 2·7 | + 1·0 | 30 | * | * | 49·1 | +2·2 | 51·7 | +1·0 | York. |
| | | | | | | | | | | | | | | | *2·6* | — | *29* | 2 | 28 | 45·3 | +0·6 | 51·0 | +0·3 | *Hull.* |
| *a* Spurn Head | 26 | 56 | 9th | 39 | 14th | 52·3 | 43·9 | 48·1 | + 2·1 | 43 | 0 | 2 | 0·16 | − 0·28 | *2·4* | — | *27* | * | * | * | * | * | * | *Spurn Head.* |
| *b*, South *a* Lincoln | 58 | 57 | 9th | 35 | 14th | 52·3 | 41·1 | 46·7 | + 2·5 | 37 | 3 | 3 | 0·64 | + 0·18 | * | * | * | * | * | 46·2 | +0·8 | 51·5 | +1·0 | Lincoln. |
| *a* Fulbeck | 180 | 57 | 9, 13 | 34 | 14th | 52·4 | 41·0 | 46·7 | + 2·7 | 37 | 3 | 4 | 0·61 | + 0·14 | 1·7 | — | 19 | 0 | 32 | 48·3 | +3·0 | 52·1 | +0·9 | Rauceby. |
| | | | | | | | | | | | | | | | *2·2* | — | *24* | * | * | * | * | * | * | Skegness. |
| | | | | | | | | | | | | | | | *2·1* | — | *23* | 1 | 27 | 47·6 | +0·9 | 52·7 | +1·1 | *Lowestoft.* |
| *p* Cromer | 196 | 58 | 9th | 35 | 14th | 53·3 | 41·6 | 47·5 | + 3·7 | 40 | 1 | 3 | 0·29 | — | 1·6 | — | 18 | * | * | * | * | * | * | Cromer. |
| *p* Little Massingham | 280 | 56 | 9th | 29 | 14th | 50·6 | 38·9 | 44·8 | − 0·5 | 33 | 9 | 3 | 0·42 | − 0·18 | 1·7 | — | 19 | 0 | 33 | * | * | * | * | Lit. Massingham. |
| *a*, North *a* Yarmouth | 17 | 58 | 9th | 35 | 13th | 52·1 | 39·7 | 45·9 | + 0·4 | 37 | 6 | 3 | 0·67 | + 0·09 | 1·8 | — | 20 | * | * | 46·6 | +1·5 | 53·3 | +1·6 | Yarmouth. |
| *a* Norwich | 93 | 57 | 9th | 36 | 14th | 52·1 | 41·1 | 46·6 | + 2·4 | 36 | 3 | 3 | 0·72 | — | *1·7* | — | *19* | 0 | 33 | 46·6 | * | * | * | *Norwich.* |
| *a* Geldeston | 37 | 58 | 9th | 36 | 13th | 53·4 | 40·9 | 47·2 | + 1·8 | 41 | 3 | 4 | 0·52 | − 0·04 | 2·2 | − 0·2 | 24 | * | * | * | * | * | * | Geldeston. |
| *p* Cambridge | 41 | 58 | 9th | 27 | 14th | 54·4 | 39·3 | 46·9 | + 2·1 | 46 | 8 | 3 | 0·40 | − 0·08 | 1·8 | − 0·6 | 20 | 2 | 24 | 47·7 | +1·7 | 52·5 | +1·0 | Cambridge. |
| *a Felixstowe* | *10* | *57* | *10th* | *38* | *14th* | *52·9* | *43·1* | *48·0* | + *1·6* | *42* | *0* | *3* | *0·40* | — | *2·1* | — | *23* | * | * | * | * | * | * | *Felixstowe.* |
| *b*, South *a* Clacton-on-Sea | 54 | 57 | 10th | 38 | 8th | 52·6 | 42·0 | 47·3 | + 1·1 | 37 | 0 | 3 | 0·36 | — | 1·7 | — | 19 | 0 | 34 | 49·4 | +0·1 | 53·7 | +1·3 | Clacton. |
| *a* Rothamsted | 424 | 60 | 9th | 32 | 8th | 54·3 | 39·7 | 47·0 | + 3·0 | 45 | 6 | 5 | 0·45 | − 0·20 | 2·3 | − 0·1 | 25 | * | * | * | * | * | * | Rothamsted. |
| *a Shoeburyness* | *13* | *57* | *9, 10* | *39* | *14th* | *54·0* | *42·6* | *48·3* | + *1·6* | *44* | *0* | *4* | *0·39* | − *0·06* | *2·2* | — | *24* | 0 | 32 | 49·7 | +1·5 | * | * | *Southend.* |
| *p* Tottenham | 51 | 58 | 9, 10 | 38 | 14th | 55·3 | 44·4 | 49·9 | + 4·5 | 55 | 0 | 3 | 0·40 | — | 1·5 | — | 11 | 1 | 30 | * | * | 53·8 | +0·7 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate | 476 | 55 | 8, 9 | 30 | 14th | 50·9 | 40·3 | 45·6 | + 2·1 | 32 | 5 | 7 | 1·52 | + 0·85 | *1·9* | — | *21* | 1 | 27 | 46·9 | +3·1 | 50·4 | +1·0 | *Huddersfield.* |
| *a* Bawtry | 65 | 59 | 9th | 34 | 14th | 52·4 | 41·3 | 46·8 | + 2·6 | 37 | 2 | 3 | 0·64 | + 0·21 | 3·1 | — | 35 | 1 | 25 | 47·4 | +2·0 | 49·5 | +1·8 | Harrogate. |
| *p Buxton* | *987* | | | | | | | | | | | | | | 2·1 | + 0·2 | 23 | 4 | 28 | 47·1 | * | 50·3 | * | Worksop. |
| *a*, East *a* Nottingham | 82 | 59 | 8th | 37 | 8, 14 | 53·9 | 41·0 | 47·5 | + 2·8 | 43 | 3 | 4 | 1·00 | + 0·53 | * | * | * | * | * | * | * | * | * | *Buxton.* |
| *p* Birmingham, Edgbsn. | 535 | 56 | 9th | 35 | 14th | 51·3 | 41·6 | 46·5 | + 3·0 | 33 | 1 | 4 | 0·56 | + 0·01 | 1·6 | — | 18 | 0 | 31 | 46·9 | +2·6 | 51·0 | +1·3 | Nottingham. |
| *a* Raunds | 203 | 59 | 11th | 35 | 8th | 53·7 | 39·7 | 46·7 | + 2·7 | 43 | 6 | 4 | 0·64 | — | 1·7 | — | 19 | 0 | 32 | 47·7 | +2·3 | 50·9 | +1·0 | Birmingham. |
| *p* Oxford | 208 | 59 | 9th | 33 | 14th | 54·0 | 42·6 | 48·3 | + 3·3 | 44 | 0 | 5 | 0·38 | − 0·18 | *1·9* | — | *21* | 3 | 28 | 50·4 | * | * | * | *Raunds.* |
| | | | | | | | | | | | | | | | 2·7 | + 0·4 | 30 | 1 | 25 | * | * | * | * | Oxford. |
| *a* Cheadle | 646 | 55 | 8th | 34 | 14th | 51·1 | 42·9 | 47·0 | + 3·5 | 35 | 0 | 4 | 1·54 | + 0·88 | 2·5 | — | 28 | 1 | 28 | 48·0 | +2·6 | 50·7 | 0·7 | Sheffield. |
| *p* Shrewsbury | 191 | 58 | 8th | 35 | 14th | 53·6 | 41·1 | 47·4 | + 2·4 | 42 | 3 | 4 | 0·74 | — | * | * | * | 0 | 32 | * | * | * | * | Cheadle. |
| *b*, West *a* Hereford§ | 291 | 57 | 10th | 31 | 8th | 54·7 | 39·9 | 46·8 | + 2·1 | 42 | 6 | 4 | 0·64 | + 0·08 | * | * | * | 0 | 31 | * | * | * | * | Shrewsbury. |
| *a* Cirencester | 446 | 55 | 13th | 40 | 8, 9 | 52·3 | 42·9 | 47·6 | + 4·2 | 39 | 0 | 4 | 0·71 | + 0·04 | *2·0* | — | *22* | 3 | 26 | 47·7 | * | 51·7 | * | *Malvern.*§ |
| *a* Bath | 66 | 58 | 11, 13 | 34 | 8th | 53·4 | 41·1 | 46·3 | + 2·3 | 48 | 3 | 4 | 0·71 | − 0·04 | 1·8 | − 0·5 | 20 | 0 | 33 | 48·6 | * | 51·4 | * | Cirencester. |
| | | | | | | | | | | | | | | | 1·8 | − 0·28 | 21 | * | * | 49·2 | * | 52·8 | −0·6 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Kew | 18 | 57 | 9, 10 | 33 | 14th | 53·7 | 42·3 | 48·0 | + 2·6 | 42 | 0 | 4 | 0·50 | − 0·04 | * | * | * | 1 | 26 | 48·4 | +1·7 | 53·1 | +2·2 | Canterbury. |
| *a* Marlborough | 424 | 56 | 9th | 33 | 8th | 53·0 | 39·4 | 46·2 | + 2·5 | 40 | 7 | 5 | 0·37 | − 0·40 | 2·2 | + 0·2 | 24 | 2 | 30 | 48·2 | +2·1 | 51·8 | +0·1 | Kew. |
| *a* Margate | 35 | 58 | 10th | 42 | 8, 9, 14 | 54·6 | 44·4 | 49·5 | + 2·5 | 53 | 0 | 2 | 0·36 | − 0·24 | 2·1 | − 0·1 | 23 | 3 | 28 | 48·0 | * | 51·9 | * | Marlborough. |
| *a* Wisley, Surrey | 150 | 57 | 10th | 33 | 8th | 53·7 | 41·6 | 47·7 | + 1·6 | 42 | 1 | 4 | 0·14 | — | 2·0 | − 0·5 | 22 | 0 | 39 | 49·8 | +3·3 | 53·9 | +2·7 | Margate. |
| | | | | | | | | | | | | | | | 2·2 | — | 24 | 2 | 27 | 47·8 | +1·8 | 51·9 | +0·6 | Wisley. |
| *p* Salisbury (Wilton) | 180 | 57 | 10, 13 | 34 | 8th | 54·0 | 40·6 | 47·3 | + 2·5 | 43 | 4 | 4 | 0·61 | − 0·19 | 3·0 | — | 32 | 1 | 30 | 49·9 | +2·7 | 53·9 | +0·9 | Worthing. |
| *a* Tunbridge Wells | 354 | 59 | 10th | 34 | 8th | 53·7 | 41·9 | 47·8 | + 2·7 | 41 | 0 | 4 | 0·38 | − 0·40 | * | * | * | 0 | 33 | 49·3 | * | * | * | Salisbury. |
| *a* Dungeness | 21 | 58 | 10th | 35 | 8, 9 | 54·7 | 41·7 | 48·2 | + 0·4 | 45 | 1 | 4 | 0·18 | − 0·44 | 2·2 | − 0·3 | 24 | 1 | 29 | 48·7 | +3·3 | 52·7 | * | Tunbridge Wells |
| *p* Hastings | 178 | 59 | 10th | 32 | 14th | 54·6 | 43·3 | 49·0 | + 1·5 | 49 | 0 | 5 | 0·43 | − 0·33 | * | * | * | * | * | * | * | * | * | Littlestone. |
| *p* Southampton | 65 | 58 | 10th | 33 | 14th | 54·4 | 42·7 | 48·6 | + 1·5 | 46 | 0 | 4 | 0·53 | − 0·24 | *2·3* | *− 0·5* | *25* | 1 | 26 | 49·9 | * | 53·8 | * | *Hastings.* |
| *a* Ventnor | 80 | 60 | 10th | 41 | 14th | 56·6 | 47·4 | 52·0 | + 3·1 | 70 | 0 | 4 | 0·51 | − 0·12 | 2·0 | − 0·5 | 22 | 1 | 30 | * | * | * | * | Southampton. |
| | | | | | | | | | | | | | | | 2·8 | 0·0 | 30 | * | * | * | * | * | * | Ventnor. |
| | | | | | | | | | | | | | | | *2·5* | — | *27* | 0 | 31 | 49·8 | +1·9 | 54·3 | +1·1 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 2·6 | 0·0 | 28 | * | * | 51·5 | * | 55·2 | * | Eastbourne. |
| LONDON. | | | | | | | | | | | | | | | *2·4* | — | *26* | * | * | 49·2 | * | 51·9 | * | *Bournemouth.* |
| *a Westminster* | *27* | *60* | *9th* | *39* | *8, 14* | *55·5* | *42·9* | *49·2* | + *3·7* | *50* | *0* | *4* | *0·50* | − *0·04* | *2·5* | *− 0·2* | *27* | 0 | 33 | * | * | 54·0 | * | *Brighton.* |
| *a Greenwich* | *155* | *59* | *11th* | *39* | *14th* | *54·9* | *43·3* | *49·1* | + *3·7* | *50* | *0* | *5* | *0·43* | − *0·12* | *1·5* | + *0·3* | *17* | 0 | 35 | * | * | * | * | *Westminster.* |
| *a Hampstead* | *450* | *55* | *9, 10* | *33* | *8th* | *52·3* | *37·8* | *45·1* | — | *39* | *12* | *3* | *0·58* | — | *1·9* | *0·0* | *21* | 1 | 30 | * | * | * | * | *Greenwich.* |
| *a Camden Square* | *110* | *58* | *9, 10* | *39* | *8, 14* | *54·0* | *42·6* | *48·3* | — | *44* | *0* | *4* | *0·56* | — | *2·0* | — | *22* | 4 | 23 | * | * | * | * | *Hampstead.* |
| | | | | | | | | | | | | | | | *0·9* | — | *10* | 0 | 35 | * | * | * | * | *Camden Square.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | *2·1* | — | *24* | 1 | 27 | 47·2 | +3·8 | 50·0 | +1·1 | *Burnley.* |
| *p* Aspatria | 250 | 55 | 8, 9 | 29 | 14th | 49·6 | 40·7 | 45·2 | + 1·2 | 28 | 4 | 7 | 1·68 | + 0·71 | 1·8 | — | 20 | * | * | * | * | * | * | Hoylake. |
| *p* Newton Rigg | 559 | 55 | 8, 9 | 28 | 14th | 50·0 | 38 3 | 44·2 | + 1·7 | 31 | 10 | 7 | 2·25 | + 1·41 | 2·8 | — | 32 | 0 | 31 | 47·5 | * | 50·0 | * | Aspatria. |
| *p* Stonyhurst | 375 | 55 | 8, 9 | 30 | 14th | 51·1 | 40·6 | 45·9 | + 2·1 | 33 | 4 | 7 | 3·91 | + 2·87 | 2·7 | + 0·7 | 30 | 5 | 18 | 47·2 | +1·8 | 49·0 | +0·4 | Newton Rigg. |
| *p* Blackpool | 66 | 56 | 9, 10 | 37 | 14th | 53·1 | 44·9 | 49·0 | + 3·2 | 49 | 0 | 7 | 1·84 | + 0·99 | 2·2 | + 0·3 | 25 | 2 | 25 | * | * | * | * | Stonyhurst. |
| *a Southport* | *37* | *56* | *9th* | *38* | *14th* | *52·0* | *44·4* | *48·2* | + *2·7* | *43* | *0* | *6* | *1·31* | + *0·50* | 2·4 | + 0·4 | 27 | 0 | 31 | 50·0 | * | 51·8 | * | Blackpool. |
| *a* Liverpool (Bidston) | 188 | 58 | 8th | 39 | 14th | 53·6 | 45·6 | 49·6 | + 4·3 | 53 | 0 | 6 | 1·14 | + 0·49 | *2·4* | + *0·6* | *27* | 0 | 32 | 47·5 | +3·3 | 50·3 | +1·2 | *Southport.* |
| *a Hawarden Bridge* | *22* | *60* | *8th* | *38* | *14th* | *54·9* | *45·2* | *50·1* | + *3·6* | *57* | *0* | *5* | *1·23* | + *0·66* | *2·1* | — | *23* | * | * | * | * | * | * | *Liverpool.* |
| *p* Manchester (Whit. Pk.) | 125 | 58 | 8th | 34 | 14th | 54·4 | 42·1 | 46·8 | + 1·8 | 34 | 0 | 6 | 1·89 | + 1·13 | *1·0* | — | *11* | 1 | 29 | 48·6 | +3·6 | 52·6 | +1·2 | *Manchester (City).* |
| | | | | | | | | | | | | | | | *1·1* | + *0·1* | *12* | * | * | * | * | * | * | " (*Whit. Park*) |
| *b* NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 57 | 9th | 38 | 14th | 53·7 | 44·9 | 49·3 | + 1·8 | 51 | 0 | 6 | 1·65 | + 0·90 | 1·6 | − 0·5 | 18 | * | * | * | * | * | * | Llandudno |
| *a* Holyhead | 15 | 57 | 9th | 42 | 14th | 53·6 | 47·3 | 50·5 | + 2·7 | 60 | 0 | 7 | 1·04 | + 0·10 | *1·8* | .. | *29* | * | * | * | * | * | * | *Holyhead.* |
| *Bettws-y-Coed* | *148* | *58* | *8th* | *35* | *14th* | *52·4* | *42 3* | *47·4* | *0·0* | *38* | *0* | *7* | *2·92* | — | *1·3* | — | *14* | * | * | 48·4 | +3·9 | 50·7 | +1·2 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 1·1 | — | 12 | * | * | * | * | * | * | Aberdovey. |

* For notes see also opposite page.

† At 3 ft.

§ The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. | | | | Mean for the Week. | | | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date | Lowest observed. | Date. | Of Highest each day. | Of Lowest each day. | For whole of each day. | | Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | * | in. | in | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Llangammarch Wells | 550 | 54 | 8-10, 13 | 34 | 14th | 52·3 | 42·0 | 47·2 | + 3·6 | 36 | 0 | 7 | 2·30 | — | 0·9 | — | 10 | * | * | * | * | * | * | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 56 | 8, 11, 13 | 42 | 8th | 55·1 | 46·9 | 51 0 | + 2·1 | 63 | 0 | 5 | 0·77 | - 0·13 | 1·6 | - 0·8 | 18 | * | * | 48·3 | +2·2 | 50·7 | - 0·2 | Llangammarch. |
| *p* Cardiff .. .. .. | 203 | 56 | 13th | 39 | 12th | 53·3 | 44·7 | 49 0 | + 3·7 | 49 | 0 | 6 | 1·11 | + 0·13 | *1·4* | — | *15* | 0 | 35 | 48·8 | +3·3 | 52·1 | +0·8 | Pembroke. |
| | | | | | | | | | | | | | | | | | | | | | | | | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 56 | 9, 10, 13 | 39 | 8th | 54·3 | 45·0 | 49·7 | + 3·7 | 54 | 0 | 4 | 0·42 | - 0·35 | *2·1* | — | *23* | 0 | 37 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 55 | 11th | 35 | 14th | 53·3 | 40·3 | 46·8 | + 1·8 | 41 | 5 | 3 | 0·48 | - 0·32 | * | * | * | * | * | 48·6 | * | 52·5 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 56 | 10th | 38 | 8th | 53·7 | 43·6 | 48·7 | + 3·1 | 47 | 0 | 4 | 1·98 | + 0·60 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *57* | *8, 9* | *40* | *8th* | *55·6* | *46·3* | *51·0* | + *2·0* | *63* | *0* | *6* | *0·79* | + *0·06* | 1·8 | - 1·0 | 19 | 0 | 35 | 50·7 | * | 53·4 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 57 | 13th | 33 | 8th | 54·3 | 42·1 | 48·2 | + 2·2 | 43 | 0 | 4 | 0·72 | - 0·12 | 1·2 | - 1·0 | 13 | 1 | 29 | 48·9 | * | * | * | Cullompton. |
| *a* Portland Bill .. .. | 19 | 58 | 10th | 46 | 14th | 55·9 | 49·3 | 52·6 | + 3·6 | 74 | 0 | 6 | 0·49 | — | *1·9* | — | *20* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 59 | 10th | 35 | 8th | 55·1 | 47·0 | 51·1 | + 2·7 | 64 | 0 | 6 | 1·05 | + 0·18 | 1·5 | - 1·1 | 16 | * | * | 50·2 | +0·9 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 58 | 10th | 41 | 8th | 55·9 | 46·4 | 51·2 | + 2·0 | 64 | 0 | 5 | 1·34 | + 0·22 | 2·1 | - 0·8 | 23 | 0 | 31 | 51·8 | * | 54·1 | * | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. { *a* Malin Head .. .. | 208 | 56 | 8th | 36 | 14th | 51·1 | 43·7 | 47·4 | + 1·1 | 38 | 0 | 7 | 1·46 | + 0·72 | *1·7* | — | *20* | * | * | * | * | * | * | *Malin Head.* |
| *a* Blacksod Point .. | 37 | 55 | 8, 9 | 38 | 14th | 52·6 | 45·7 | 49·2 | + 1·7 | 50 | 0 | 7 | 1·42 | + 0·22 | * | * | * | * | * | * | * | * | * | * |
| *p* Markree Castle .. | 122 | 58 | 8th | 33 | 14th | 53·6 | 41·9 | 47·8 | + 3·3 | 41 | 0 | 7 | 2·08 | + 1·11 | 1·9 | - 0·2 | 21 | 0 | 31 | 50·2 | * | 52·2 | * | Markree Castle |
| *a* Birr Castle .. .. | 175 | 57 | 8th | 36 | 8th | 53·3 | 42·0 | 47·7 | + 3·1 | 40 | 0 | 7 | 1·54 | + 0·79 | *2·0* | - *0·4* | *22* | * | * | * | * | * | * | *Birr Castle.* |
| *b*, East .. { *p* Armagh .. .. | 196 | 57 | 8, 9 | 31 | 14th | 52·6 | 41·6 | 47·1 | + 2·5 | 37 | 1 | 7 | 1·68 | + 1·02 | 2·5 | + 0·3 | 28 | 1 | 26 | 48·7 | +2·7 | 51·0 | +0·5 | Armagh. |
| *a* Donaghadee .. .. | 101 | 56 | 9th | 36 | 14th | 50·6 | 42 6 | 46·6 | + 0·6 | 32 | 0 | 6 | 0·83 | + 0·12 | * | * | * | 0 | 32 | 49·5 | +2·6 | 51·4 | +0·7 | Trinity Coll. |
| | | | | | | | | | | | | | | | | | | 1 | 30 | * | * | * | * | Phœnix Park. |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 3·3 | + 0·6 | 37 | 0 | 34 | * | * | * | * | Dublin City. |
| *a*, East .. { *p* Dublin, City .. .. | 47 | 58 | 8th | 36 | 14th | 53·0 | 44·4 | 48·7 | + 1·9 | 47 | 0 | 6 | 1·20 | + 0·55 | * | * | * | * | * | * | * | * | * | * |
| *a* Kilkenny .. .. | 212 | 58 | 8th | 35 | 8th | 53·9 | 41·9 | 47·9 | + 2·9 | 42 | 0 | 6 | 1·13 | + 0·39 | * | * | * | * | * | * | * | * | * | * |
| *a* Waterford .. .. | 20 | 57 | 8, 9 | 38 | 14th | 53·9 | 44·9 | 49·4 | + 2·9 | 52 | 0 | 6 | 1·13 | + 0·21 | * | * | * | * | * | * | * | * | * | * |
| *a Seskin, Carrick-on-Suir* | *541* | *57* | *8th* | *35* | *14th* | *53·0* | *42·4* | *47·7* | — | *40* | *0* | *6* | *1·27* | — | *3·1* | — | *34* | 0 | 34 | * | * | * | * | *Seskin.* |
| *b*, West .. { *a* Birr Castle .. .. | 175 | 57 | 8th | 36 | 8th | 53·3 | 42·0 | 47·7 | + 3·1 | 40 | 0 | 7 | 1·54 | + 0·79 | 2·0 | - 0·4 | 22 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes .. .. | 50 | 59 | 8th | 39 | 14th | 54·0 | 45·6 | 49·8 | + 3·3 | 55 | 0 | 7 | 2·02 | + 1·10 | * | * | * | * | * | * | * | * | * | * |
| *a* Cahir .. .. | 199 | 58 | 8th | 35 | 14th | 54·3 | 43·9 | 49·1 | + 2·8 | 50 | 0 | 7 | 1·40 | — | * | * | * | * | * | * | * | * | * | * |
| *a* Killarney .. .. | 174 | 63 | 8th | 40 | 14th | 56·5 | 47·3 | 51·9 | + 5·0 | 69 | 0 | 6 | 1·33 | - 0·01 | * | * | * | * | * | * | * | * | * | * |
| *a* Valencia .. .. | 30 | 58 | 8th | 36 | 14th | 55·4 | 47·4 | 51·4 | + 2·6 | 66 | 0 | 5 | 2·44 | + 1·14 | 1·6 | - 0·9 | 18 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. .. | 32 | 57 | 8, 11 | 42 | 14th | 55·6 | 47·6 | 51·6 | + 3·2 | 67 | 0 | 6 | 1·14 | + 0·15 | 0·9 | — | 10 | * | * | * | * | * | * | Ballinacurra |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 57 | 8, 10 | 47 | 8, 14 | 56·0 | 49·9 | 53·0 | + 2·9 | 77 | 0 | 7 | 0·76 | - 0·04 | 2·4 | - 0·5 | 26 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 58 | 10, 11 | 39 | 8, 9 | 55·1 | 44·1 | 49·6 | - 0·7 | 53 | 0 | 4 | 0·51 | - 0·42 | 1·5 | - 1·5 | 16 | * | * | * | * | * | * | St. Heliers |
| *a* Guernsey (Villa Carey) | 180 | 58 | 8, 10 | 40 | 8th | 55·6 | 46·3 | 51·0 | + 0·6 | 63 | 0 | 6 | 0·96 | - 0·08 | 1·9 | - 0·6 | 20 | 0 | 34 | 51·4 | +0·6 | 55·2 | +0·4 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 3·2 hrs. 34 °/₀; Ramsgate, 2·5 hrs. 28 °/₀; Rhyl, 2·1 hrs. 23 °/₀; Salcombe, 2·3 hrs. 25 °/₀; Tenby, 1·9 hrs. (- 0·6) 21 °/₀; Torquay, 2·3 hrs. (- 0·2) 25 °/₀.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Nov. 14th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | 47 | 46 | 46·3 | -3·7 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 52 | 48 | 49·7 | +2·5 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 46 | 40 | 42·8 | -4·5 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 55 | 52 | 53·6 | +1·7 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 54 | 52 | 53·3 | +0·7 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 55 | 53 | 53·5 | +1·8 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. | 55 | 52 | 53·9 | — |
| Plymouth‡ .. .. | 55 | 55 | 55·1 | +0·6 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | — | — | — | — |
| Seafield .. .. | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of WIND RECORDS from PRESSURE TUBE ANEMOGRAPHS. [1914.]

Week ending at midnight (24h.) on Saturday, November 14th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. | d. | h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | 10th | 1 | 62 | 105 | SW. 12 | 10th 24h. | 22 | 10th | 23 . 20 |
| Aberdeen* .. .. | 105 | — | — | 9 to 14 | 35 | 77 | 56 | W. 14 | 12th 4h. | 25 | 10th | 24 . 0 |
| Rosyth .. .. | 73 | — | — | 9 to 13 | 58 | 93 | 17 | SW.by W. 16 | 11th 1h. | 29 | 11th | 1 . 25 |
| **6.** SCOTLAND, W. | | | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 9 to 13 | 55 | 74 | 39 | SW. 16 | 10th 20h. | 27 | 13th | 8 . 25 |
| Paisley (Coats Obs.) | 80 | — | — | 10 to 12 | 5 | 67 | 96 | SW.by W. 12 | 10th 21h. | 27 | 11th | 10 . 10 |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | 9, 11 | 2 | 80 | 86 | SW.by W. 12 | 11th 1h. | 24 | 11th | 0 . 35 |
| South Shields .. | 61 | — | — | 11, 13 | 11 | 92 | 65 | WNW. 13 | 13th 12h. | 23 | 11th | 1 . 5 |
| Spurn Head .. | 40 | — | — | 11 to 14 | 55 | 83 | 25 | NW.by W. 16 | 12th 14h. | 24 | 11th | 15 . 0 |
| **3.** ENGLAND, E. | | | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 11, 13 | 6 | 87 | 75 | — 12 | 13th 11h. | 21 | 11th | 14 . 10 |
| Shoeburyness .. | 90 | — | — | 11th | 1 | 82 | 85 | — 11 | 11th 18h. | 20 | 11th | 17 . 55 |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | |
| Dover .. .. | 40 | — | — | — | — | — | — | — — | — — | — | — | — |
| Warlingham .. | 33 | — | — | 11th | 2 | 44 | 122 | — 12 | 11th 16h. | 26 | 11th | 17 . 35 |
| Brighton .. .. | 53 | — | — | 11, 13 | 12 | 76 | 80 | — 13 | 11th 17h. | 22 | 11th | 17 . 30 |
| Kew† .. .. | 65§ | — | — | — | — | 49 | 119 | WSW. 10 | 11th 13h. | 23 | 11th | 17 . 50 |
| South Kensington | 92 | — | — | — | — | 15 | 153 | SW.by W. 7 | 13th 12h. | 15 | 11th | 15 . 40 |
| **7.** ENGLAND, N.W. | | | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | 11, 13 | 5 | 74 | 89 | W. 12 | 11th 12h. | 26 | 11th | 12 . 55 |
| Southport .. .. | 62 | 11 to 13 | 40 | 8 to 14 | 39 | 73 | 16 | WNW. 22 | 11th 23h. | 31 | 11th | 23 . 10 |
| Holyhead* .. .. | 40 | 11 to 13 | 15 | 9 to 14 | 79 | 64 | 10 | WNW. 21 | 11th 19h. | 29 | 13th | 14 . 5 |
| **8.** ENGLAND, S.W. | | | | | | | | | | | | |
| Pendennis Castle* | 65 | 11, 13 | 6 | 11 to 14 | 40 | 84 | 38 | W. 19 | 11th 15h. | 27 | 11th | 17 . 30 |
| Plymouth .. .. | 86 | — | — | 11th | 1 | 69 | 98 | — 11 | 11th 17h. | 19 | 11th | 17 . 30 |
| **10.** IRELAND, S. | | | | | | | | | | | | |
| Quilty .. .. | 40 | 13th | 10 | 8 to 14 | 67 | 80 | 11 | — 18 | 13th 22h. | 36 | 13th | 15 . 20 |
| Weaver Pt. .. | 30 | — | — | 9 to 11, 13, 14 | 25§ | 80§ | 43§ | — 17 | 14th 24h. | 25 | 14th | 21 . 25 |
| **11.** ENGLAND, CHANNEL. | | | | | | | | | | | | |
| Scilly* .. .. | 19 | 13, 14 | 14§ | 11 to 14 | 48§ | 42§ | 63§ | NW. 21 | 14th 4h. | 32 | 14th | 0 . 35 |

* Wind Direction is taken from the Robinson Instrument.

† Until May 9th the anemograph was about ½ mile East of the Observatory with a vane 40 ft. above ground. The instrument now used is on the Observatory Building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day. The rims of the gauges are 1 foot above the ground

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1906-1911, or 1909-1914.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

**FORTY-FIFTH WEEK**—November 8th to November 14th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of: Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 59 | 29 | 48·1 | 38·8 | 43·4 | − 0·1 | 23 | − 1 | 9 | − 3 | 7 | + 2 | 2·32 | +1·06 | 1·0 | −0·4 | 12 | 1000 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 62 | 28 | 49·7 | 38·6 | 44·1 | + 1·3 | 29 | + 5 | 10 | − 7 | 6 | + 2 | 0·83 | +0·07 | 3·3 | +1·4 | 38 | 1003 |
| 2. ENGLAND, N.E. ... ... | 58 | 27 | 52·1 | 41·0 | 46·6 | + 2·0 | 36 | + 7 | 3 | − 7 | 4 | 0 | 0·54 | −0·04 | 2·8 | +0·9 | 32 | 1008 |
| 3. ENGLAND, EAST ... | 60 | 27 | 53·1 | 40·8 | 47·0 | + 1·9 | 40 | + 7 | 3 | − 8 | 3 | − 1 | 0·47 | −0·06 | 1·8 | −0·6 | 20 | 1012 |
| 4 MIDLAND COUNTIES ... | 59 | 30 | 52·9 | 41·3 | 47·1 | + 2·8 | 39 | + 8 | 2 | −11 | 4 | 0 | 0·79 | +0·16 | 2·2 | +0·3 | 24 | 1014 |
| 5. ENGLAND, S.E. ... ... | 60 | 32 | 54·3 | 42·5 | 48·4 | + 1·5 | 45 | + 4 | 0 | − 7 | 4 | 0 | 0·40 | −0·37 | 2·3 | +0·5 | 26 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 57 | 29 | 50·7 | 41·5 | 46·1 | + 1·2 | 31 | + 1 | 1 | − 7 | 7 | + 2 | 1·66 | +0·34 | 2·8 | +1·1 | 32 | 1007 |
| 7. ENGLAND, N.W. ... ... | 58 | 28 | 52·0 | 43·1 | 47·6 | + 1·9 | 39 | + 6 | 0 | − 7 | 7 | + 2 | 1·91 | +1·04 | 2·1 | +0·3 | 23 | 1011 |
| 8. ENGLAND, S.W. ... ... | 59 | 33 | 54·3 | 44·7 | 49·6 | + 2·2 | 53 | + 13 | 0 | − 5 | 5 | 0 | 1·07 | −0·61 | 1·4 | −0·8 | 16 | 1016 |
| 9. IRELAND, NORTH ... | 58 | 31 | 52·3 | 42·9 | 47·6 | + 2·3 | 39 | + 7 | 0 | − 8 | 7 | + 2 | 1·50 | +0·54 | 2·2 | +0·1 | 25 | 1009 |
| 10. IRELAND, SOUTH ... | 63 | 35 | 54·4 | 45·0 | 49·7 | + 2·9 | 54 | + 13 | 0 | − 7 | 6 | + 1 | 1·48 | +0·45 | 2·0 | −0·5 | 21 | 1016 |
| 11. ENGLISH CHANNEL ... | 58 | 39 | 55·6 | 46·8 | 51·2 | + 0·4 | 64 | + 2 | 0 | 0 | 6 | + 1 | 0·74 | −0·25 | 1·9 | −0·8 | 21 | 1019 |

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 11 Weeks, August 30th to November 14th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 75 | 29 | * | * | * | * | 601 | + 42 | 11 | −44 | 50 | − 5 | 8·57 | −4·22 | 2·6 | −0·1 | 23 | 1013 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 76 | 19 | * | * | * | * | 632 | + 33 | 37 | −35 | 40 | − 6 | 5·37 | −1·87 | 3·1 | −0·2 | 28 | 1014 |
| 2. ENGLAND, N.E. ... ... | 82 | 27 | * | * | * | * | 787 | + 83 | 3 | −30 | 35 | − 6 | 4·74 | −1·61 | 3·8 | +0·2 | 33 | 1016 |
| 3. ENGLAND, EAST ... | 82 | 27 | * | * | * | * | 880 | + 78 | 3 | −36 | 36 | − 4 | 4·20 | −1·74 | 4·1 | +0·1 | 36 | 1016 |
| 4. MIDLAND COUNTIES ... | 82 | 28 | * | * | * | * | 807 | + 72 | 13 | −37 | 34 | − 6 | 5·31 | −1·11 | 3·8 | +0·3 | 33 | 1017 |
| 5. ENGLAND, S.E. ... ... | 82 | 28 | * | * | * | * | 926 | + 35 | 1 | −24 | 33 | − 6 | 5·25 | −2·01 | 4·8 | +0·7 | 42 | 1017 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 77 | 28 | * | * | * | * | 715 | + 52 | 5 | −33 | 37 | −10 | 7·09 | −4·90 | 3·3 | 0·0 | 29 | 1016 |
| 7. ENGLAND, N.W. ... ... | 77 | 28 | * | * | * | * | 801 | + 53 | 1 | −23 | 39 | − 6 | 7·44 | −1·56 | 3·8 | +0·5 | 33 | 1016 |
| 8. ENGLAND, S.W. ... ... | 80 | 29 | * | * | * | * | 895 | + 51 | 0 | −18 | 38 | − 7 | 7·55 | −2·45 | 4·3 | +0·4 | 38 | 1016 |
| 9. IRELAND, NORTH ... | 75 | 27 | * | * | * | * | 767 | + 74 | 5 | −24 | 40 | −11 | 5·63 | −3·63 | 3·1 | −0·1 | 27 | 1015 |
| 10. IRELAND, SOUTH ... | 78 | 29 | * | * | * | * | 873 | + 82 | 5 | −20 | 37 | − 8 | 7·58 | −1·39 | 3·6 | −0·1 | 32 | 1017 |
| 11. ENGLISH CHANNEL ... | 82 | 39 | * | * | * | * | 1115 | + 47 | 0 | 0 | 39 | −10 | 8·20 | −0·36 | 4·8 | 0·0 | 42 | 1017 |

THE YEAR.—Aggregates, &c., for the Period of 45 Weeks, January 4th, 1914, to November 14th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 2247 | +216 | 402 | −210 | 204 | − 6 | 37·92 | −5·17 | 3·4 | 0·0 | 26 | 1010 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 15 | * | * | * | * | 2526 | +247 | 529 | −163 | 164 | −10 | 24·03 | −2·07 | 4·2 | +0·2 | 32 | 1011 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 3008 | +457 | 302 | −206 | 147 | −10 | 19·28 | −1·89 | 4·6 | +0·2 | 36 | 1013 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 3341 | +394 | 302 | −258 | 143 | − 9 | 17·87 | −2·44 | 5·0 | +0·2 | 40 | 1015 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 3193 | +329 | 380 | −203 | 147 | − 4 | 21·25 | −1·29 | 4·4 | +0·2 | 35 | 1015 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 3445 | +258 | 241 | −165 | 140 | − 5 | 22·57 | −0·14 | 5·4 | +0·6 | 43 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 2698 | +226 | 322 | −141 | 177 | − 5 | 34·02 | −5·68 | 4·1 | 0·0 | 32 | 1012 |
| 7. ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 3017 | +307 | 228 | −182 | 163 | − 5 | 27·60 | −1·72 | 4·6 | +0·4 | 36 | 1014 |
| 8. ENGLAND, S.W. ... ... | 86 | 19 | * | * | * | * | 3270 | +247 | 192 | −127 | 170 | + 4 | 34·45 | +2·69 | 4·9 | +0·2 | 38 | 1015 |
| 9. IRELAND, NORTH ... | 80 | 25 | * | * | * | * | 2808 | +224 | 251 | −123 | 192 | − 6 | 29·66 | −2·51 | 3·8 | 0·0 | 30 | 1012 |
| 10. IRELAND, SOUTH ... | 81 | 24 | * | * | * | * | 3228 | +257 | 179 | −105 | 188 | +12 | 33·71 | +0·45 | 4·3 | 0·0 | 34 | 1014 |
| 11. ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 3761 | +238 | 72 | − 37 | 164 | −13 | 28·45 | +1·87 | 5·5 | −0·2 | 43 | 1016 |

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report. They are expressed in millibars (1000 = 29·531 mb mercury-inches).

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 181

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 46. FORTY-SIXTH WEEK, SUNDAY, NOVEMBER 15TH, TO SATURDAY, NOVEMBER 21ST, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

The week was generally very cold for the time of year, the frost being severe at times in all districts except the English Channel. The lowest minimum temperatures were recorded on different dates in various parts of the Kingdom, but as a rule they occurred on the 18th. During the earlier half of the week snow was very prevalent over the more northern and north-eastern districts; at Dumfries the depth equalled 4½ in., at Huddersfield 4 in., Marchmont 3¾ in., and Worksop 2½ in. Heavy rain was experienced over a considerable area in Southern England on the 15th. At Canterbury the fall was 1·2 in. and at Worthing, Margate and Jersey nearly an inch. At Ventnor, Bournemouth and Arlington the rain was accompanied by thunder and lightning or thunder only. The latter part of the period was mostly dry and bright, but many localities reported occasional mist or fog. At Poltalloch and Kilmarnock the weather was rainless throughout the week.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Deficient | Deficient | Deficient | Deficient | Very deficient | Very deficient | Very deficient | Very deficient | Very deficient | Very deficient | Very deficient | Deficient |
| | Rainfall ... | Very light | Light | Moderate | Moderate | Light | Moderate | Very light | Light | Light | Very light | Light | Moderate |
| | Sunshine ... | Moderate | Moderate | Moderate | Abundant | Abundant | Very abundant | Moderate | Very abundant | Very abundant | Abundant | Abundant | Abundant |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 12 weeks from Aug. 30th, 1914. | Warmth ... | 4 * 3 | 4 * 2 | 6 * 2 | 5 * 2 | 5 * 2 | 4 * 3 | 4 * 3 | 6 * 3 | 4 * 2 | 7 * 2 | 4 * 2 | 4 * 2 |
| | Rainfall ... | 2 * 8 | 3 * 8 | 3 * 6 | 1 * 5 | 2 * 5 | 2 * 5 | 2 * 7 | 4 * 7 | 3 * 6 | 2 * 8 | 4 * 7 | 3 * 3 |
| | Sunshine ... | 3 * 4 | 3 * 5 | 3 * 4 | 3 * 3 | 4 * 4 | 6 * 2 | 2 * 3 | 6 * 1 | 4 * 4 | 2 * 3 | 3 * 3 | 3 * 4 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| | Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3 * 1 | 6 * 0 | 8 * 1 | 8 * 2 | 6 * 1 | 7 * 1 | 5 * 3 | 5 * 1 | 8 * 1 | 6 * 3 | 6 * 2 | 9 * 1 |
| | Rainfall ... | 5 * 2 | 5 * 5 | 4 * 6 | 4 * 5 | 4 * 5 | 5 * 4 | 6 * 4 | 4 * 5 | 7 * 6 | 5 * 5 | 4 * 6 | 6 * 5 |
| | Sunshine ... | 4 * 4 | 4 * 2 | 3 * 2 | 6 * 5 | 4 * 5 | 4 * 1 | 4 * 2 | 4 * 2 | 4 * 2 | 4 * 4 | 4 * 4 | 4 * 4 |
| SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. | Warmth ... | 5 * 0 | 6 * 3 | 6 * 1 | 6 * 1 | 5 * 2 | 5 * 2 | 7 * 2 | 5 * 1 | 5 * 2 | 6 * 1 | 4 * 2 | 5 * 3 |
| | Rainfall ... | 2 * 4 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 4 | 2 * 4 | 2 * 7 | 4 * 3 | 5 * 3 | 2 * 7 | 4 * 2 | 7 * 3 |
| | Sunshine ... | 6 * 2 | 4 * 3 | 4 * 5 | 5 * 3 | 6 * 5 | 5 * 2 | 3 * 4 | 6 * 4 | 3 * 5 | 5 * 3 | 4 * 4 | 1 * 6 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**
**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**
**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(8267—19.) Wt. 229—611. 450. 11/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | **Temperature of the Air.** In Degrees Fahrenheit. | | | | | | | | **Rainfall.** | | | **Bright Sunshine.** Hours per Day. | | | **Ground Temperature.** | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| **0.** SCOTLAND, N. | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| *p Baltasound* | *31* | *49* | *18th* | *32* | *15th* | *41·9* | *35·4* | *38·7* | — | *0* | *23* | *6* | *0·61* | — | *0·4* | — | *6* | • | • | 49·1 | • | • | • | *Baltasound.* |
| *a*, Islands.. *a* Lerwick .. .. | 54 | 48 | 18th | 31 | 15th | 42·7 | 36·0 | 39·4 | – 3·6 | 2 | 22 | 5 | 0·75 | — | 0·4 | – 0·9 | 5 | • | • | • | • | • | • | Deerness. |
| *a* Stornoway .. .. | 51 | 50 | 18, 19 | 29 | 15th | 44·4 | 35·9 | 40·2 | – 3·1 | 7 | 23 | 4 | 0·14 | – 1·21 | 1·0 | – 0·5 | 13 | • | • | • | • | • | • | Stornoway. |
| *a Castlebay, Barra Isd.* .. | *37* | *51* | *19th* | *37* | *15, 16* | *47·0* | *40·4* | *43·7* | – *2·5* | *19* | *4* | *3* | *0·20* | — | *1·2* | — | *15* | • | • | • | • | • | • | *Castlebay.* |
| *a* Wick .. .. .. | 81 | 48 | 18th | 25 | 15, 16 | 44·4 | 31·1 | 37·8 | – 4·7 | 7 | 40 | 4 | 0·49 | – 0·14 | • | • | • | • | • | • | • | • | • | |
| *b*, Main- *p* Strathpeffer .. .. | 200 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | Strathpeffer. |
| land. *p* Glencarron .. .. | 500 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *p* Fort Augustus.. .. | 68 | 48 | 19th | 21 | 18th | 41·9 | 29·7 | 35·8 | – 6·4 | 0 | 43 | 3 | 0·17 | – 0·82 | 1·3 | + 0·5 | 16 | • | • | • | • | • | • | Fort Augustus. |
| *p* Fort William .. .. | 171 | 50 | 19th | 23 | 18th | 40·7 | 30·0 | 35·4 | – 7·5 | 0 | 46 | 2 | 0·06 | – 1·82 | • | • | • | • | • | • | • | • | • | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | 0·8 | — | 10 | 4 | 19 | 40·0 | –1·7 | 47·0 | +0·2 | Crathes S. |
| *p* Gordon Castle .. .. | 101 | 45 | 19th | 28 | 15, 18 | 40·6 | 31·3 | 36·0 | – 6·6 | 0 | 42 | 5 | 0·48 | – 0·14 | *0·3* | — | *4* | • | • | • | • | • | • | *Gordon Castle.* |
| *a* Nairn .. .. .. | 82 | 48 | 18, 19 | 22 | 18th | 42·0 | 29·7 | 35·9 | – 5·8 | 0 | 43 | 5 | 0·44 | – 0·03 | 0·6 | — | 8 | • | • | • | • | • | • | Nairn. |
| *a* Aberdeen .. .. | 46 | 47 | 18th | 27 | 16th | 42·1 | 31·3 | 36·7 | – 5·9 | 0 | 38 | 4 | 0·35 | – 0·33 | 0·6 | – 1·3 | 8 | • | • | • | • | 47·4 | +1·3 | Aberdeen. |
| *a* Balmoral .. .. | 930 | 48 | 19th | 14 | 18th | 43·7 | 23·9 | 33·8 | – 5·1 | 5 | 65 | 3 | 0·26 | – 0·61 | • | • | • | 7 | 11 | • | • | • | • | Balmoral. |
| *p* Crieff .. .. .. | 432 | 50 | 19th | 25 | 18th | 41·3 | 29·0 | 35·2 | – 6·7 | 0 | 48 | 3 | 0·16 | – 0·89 | 2·3 | — | 29 | • | • | • | • | • | • | Balruddery. |
| *a* Leith .. .. .. | 18 | 48 | 19th | 29 | 15th | 44·7 | 34·1 | 39·4 | – 4·4 | 8 | 30 | 3 | 0·36 | – 0·09 | • | • | • | • | • | • | • | • | • | |
| *a* West Linton .. .. | 769 | 44 | 19, 20 | 18 | 21st | 39·3 | 24·9 | 32·1 | – 8·3 | 0 | 69 | 2 | 0·23 | — | *1·7* | — | *21* | 6 | 12 | • | • | • | • | *West Linton.* |
| *p* Marchmont .. .. | 498 | 45 | 18, 20 | 27 | 15th | 42·1 | 33·1 | 37·6 | – 3·7 | 0 | 31 | 6 | 0·86 | + 0·13 | 1·2 | – 0·5 | 15 | 7 | 24 | • | • | • | • | Marchmont. |
| *a Edinburgh* .. .. | *441* | *48* | *20th* | *30* | *15th* | *41·9* | *33·3* | *37·6* | — | *0* | *31* | *3* | *0·31* | — | 2·3 | — | 28 | 6 | 22 | • | • | • | • | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch .. .. | 132 | 51 | 19th | 27 | 16th | 43·9 | 29·0 | 36·5 | – 7·1 | 5 | 47 | 0 | 0·00 | – 1·26 | • | • | • | • | • | • | • | • | • | |
| *p* Glasgow Observatory | 180 | 50 | 19th | 27 | 18th | 40·9 | 32·1 | 36·5 | – 6·5 | 0 | 39 | 2 | 0·07 | – 0·78 | 0·9 | – 0·1 | 11 | 6 | 20 | • | • | • | • | Glasgow. |
| *p* Rothesay .. .. | 90 | 51 | 19th | 30 | 18, 21 | 42·9 | 32·4 | 37·7 | – 6·3 | 3 | 35 | 1 | 0·13 | – 1·02 | *1·3* | — | *16* | 3 | 30 | 43·0 | • | 48·5 | +1·4 | *Rothesay.* |
| *a* Kilmarnock .. .. | 90 | 51 | 19th | 19 | 18th | 43·7 | 27·3 | 35·5 | – 7·2 | 5 | 53 | 1 | 0·01 | — | *2·2* | — | *27* | • | • | • | • | • | • | *Kilmarnock.* |
| *a* Colmonell .. .. | 170 | 52 | 19th | 23 | 18th | 46·7 | 27·6 | 37·2 | – 5·5 | 13 | 54 | 1 | 0·06 | – 1·18 | • | • | • | 7 | 18 | • | • | • | • | |
| *p* Dumfries .. .. | 160 | 49 | 19th | 27 | 18th | 42·4 | 31·7 | 37·1 | – 5·9 | 1 | 37 | 1 | 0·04 | – 0·83 | *2·3* | — | *28* | 6 | 21 | 39·9 | • | 48·2 | • | *Dumfries.* |
| *p* Cally, Gatehouse .. | 120 | 52 | 19th | 24 | 18th | 44·0 | 29·6 | 36·8 | – 6·2 | 6 | 45 | 1 | 0·07 | – 1·20 | • | • | • | • | • | • | • | • | • | |
| *b*, I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas .. .. .. | 277 | 51 | 19th | 33 | 21st | 46·3 | 36·3 | 41·3 | – 4·2 | 12 | 23 | 2 | 0·04 | – 1·06 | 3·2 | + 1·1 | 38 | 2 | 30 | • | • | • | • | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle .. | 210 | 47 | 16, 18 | 27 | 15th | 44·1 | 32·9 | 38·5 | – 4·5 | 6 | 33 | 5 | 1·04 | + 0·28 | 1·2 | — | 15 | 6 | 22 | 37·8 | –2·0 | 45·9 | +0·9 | Cockle Park. |
| *a* Tynemouth .. .. | 71 | 48 | 16, 19 | 31 | 15th | 45·4 | 34·9 | 40·2 | – 3·5 | 10 | 28 | 5 | 0·87 | + 0·37 | — | — | — | • | • | • | • | • | • | *Tynemouth.* |
| *p* Durham .. .. .. | 336 | 47 | 16th | 27 | 15th | 43·4 | 31·3 | 37·4 | – 5·3 | 4 | 39 | 6 | 0·86 | + 0·30 | 1·8 | – 0·1 | 22 | 6 | 23 | • | • | • | • | Durham. |
| *a*, North .. *p* Rounton .. .. | 249 | 46 | 16, 19 | 27 | 15th | 42·8 | 30·6 | 36·7 | – 5·8 | 2 | 40 | 6 | 0·64 | + 0·09 | • | • | • | 7 | 22 | 41·2 | • | • | • | Rounton. |
| *a West Witton* .. | *605* | *45* | *18th* | *26* | *18th* | *43·0* | *28·7* | *35·4* | — | *0* | *46* | *4* | *0·52* | — | • | • | • | 7 | 21 | 40·1 | • | 47·5 | • | *West Witton.* |
| *p* Scarborough .. | 100 | 47 | 16, 19 | 30 | 15th | 45·1 | 36·3 | 40·7 | – 3·7 | 9 | 22 | 5 | 0·54 | – 0·04 | 1·2 | — | 14 | • | • | • | • | 49·8† | • | Scarborough. |
| *p* York .. .. .. | 56 | 47 | 16, 20 | 27 | 21st | 43·7 | 31·7 | 37·7 | – 5·7 | 5 | 37 | 4 | 0·22 | – 0·26 | 2·3 | + 0·9 | 27 | • | • | 43·7 | –1·2 | 50·0 | +0·7 | York. |
| | | | | | | | | | | | | | | | *2·1* | — | *24* | 6 | 22 | 39·1 | –3·6 | 50·6 | +1·2 | *Hull.* |
| *b*, South .. *a* Spurn Head .. .. | 26 | 47 | 18th | 33 | 15th | 45·4 | 36·7 | 41·1 | – 3·9 | 10 | 21 | 6 | 0·67 | + 0·25 | *2·4* | — | *28* | • | • | • | • | • | • | *Spurn Head.* |
| *a* Lincoln .. .. .. | 58 | 47 | 16th | 27 | 21st | 43·1 | 31·0 | 37·1 | – 5·9 | 3 | 40 | 4 | 0·24 | – 0·20 | • | • | • | • | • | 38·7 | –4·4 | 49·7 | +4·4 | Lincoln. |
| *a* Fulbeck .. .. .. | 180 | 48 | 19th | 25 | 18th | 43·6 | 29·0 | 36·3 | – 6·5 | 4 | 47 | 4 | 0·33 | – 0·12 | 3·0 | — | 35 | 6 | 23 | 41·7 | –1·4 | 50·8 | +0·9 | Rauceby. |
| | | | | | | | | | | | | | | | 3·4 | — | 40 | • | • | • | • | • | • | Skegness. |
| | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | *Lowestoft.* |
| *p* Cromer .. .. .. | 196 | 47 | 18th | 30 | 15th | 45·1 | 36·9 | 41·0 | – 2·3 | 9 | 20 | 7 | 0·81 | — | 3·6 | — | 42 | • | • | • | • | • | • | Cromer. |
| *p* Little Massingham .. | 280 | 46 | 15, 16, 18 | 28 | 15, 21 | 44·3 | 31·7 | 38·0 | – 5·0 | 6 | 38 | 7 | 0·92 | + 0·34 | — | — | — | 6 | 20 | • | • | • | • | Lit. Massingham. |
| *a*, North .. *a* Yarmouth .. .. | 17 | 47 | 15, 16, 18 | 27 | 15th | 45·1 | 33·0 | 39·1 | – 5·2 | 9 | 34 | 7 | 0·99 | + 0·45 | 2·3 | — | 26 | • | • | 41·1 | –1·7 | 50·7 | +0·9 | Yarmouth. |
| *a* Norwich .. .. | 93 | 48 | 16th | 28 | 21st | 44·3 | 32·1 | 38·2 | – 5·1 | 6 | 36 | 6 | 0·72 | — | *3·0* | — | *35* | 6 | 23 | 39·7 | • | • | • | *Norwich.* |
| *a* Geldeston .. .. | 37 | 50 | 15, 18 | 29 | 15th | 45·9 | 34·0 | 40·0 | – 4·2 | 11 | 31 | 7 | 0·43 | – 0·10 | 2·8 | + 0·6 | 32 | • | • | • | • | • | • | Geldeston. |
| *p* Cambridge .. .. | 41 | 53 | 15th | 24 | 15th | 44·6 | 29·3 | 37·0 | – 6·5 | 7 | 47 | 3 | 0·22 | – 0·23 | 2·8 | + 0·7 | 32 | 7 | 15 | 41·5 | –2·3 | 50·5 | +0·5 | Cambridge. |
| *a Felixstowe* .. | *10* | *52* | *15th* | *30* | *15th* | *45·9* | *34·4* | *40·2* | – *4·8* | *11* | *30* | *5* | *0·52* | — | *2·8* | — | *32* | • | • | • | • | • | • | *Felixstowe.* |
| *a* Clacton-on-Sea .. | 54 | 52 | 15th | 30 | 15th | 45·1 | 34·6 | 39·9 | – 5·1 | 9 | 28 | 4 | 0·57 | — | 2·7 | — | 31 | 4 | 21 | 43·2 | –4·3 | 51·4 | +0·5 | Clacton. |
| *b*, South .. *a* Rothamsted .. .. | 424 | 54 | 15th | 27 | 15th | 44·0 | 31·0 | 37·5 | – 5·5 | 6 | 49 | 6 | 0·23 | – 0·40 | 3·3 | — | 38 | • | • | • | • | • | • | Rothamsted. |
| *a Shoeburyness* .. | *13* | *54* | *15th* | *32* | *15th* | *44·9* | *34·7* | *39·8* | – *5·5* | *8* | *28* | *4* | *1·01* | + *0·56* | *3·0* | — | *35* | 6 | 26 | 43·4 | –2·2 | • | • | *Southend.* |
| *p* Tottenham .. .. | 51 | 53 | 15th | 31 | 19, 20 | 43·4 | 34·1 | 38·8 | – 5·8 | 4 | 29 | 1 | 0·30 | — | 3·7 | — | 43 | 6 | 24 | • | • | 52·3 | +1·0 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate .. .. | 479 | 44 | 19th | 28 | 15th | 41·3 | 30·6 | 36·0 | – 6·5 | 0 | 42 | 4 | 0·35 | – 0·30 | *1·2* | — | *14* | 6 | 21 | 39·5 | –2·1 | 49·1 | +1·2 | *Huddersfield.* |
| *a* Bawtry .. .. | 65 | 46 | 16th | 25 | 21st | 41·9 | 29·1 | 35·5 | – 7·5 | 0 | 46 | 3 | 0·15 | – 0·30 | 3·2 | — | 38 | 6 | 21 | 41·7 | –1·9 | 47·2 | +0·9 | Harrogate. |
| *p Buxton* .. .. | *987* | *41* | *16, 18, 19* | *23* | *18th* | *40·0* | *27·4* | *33·7* | – *6·9* | *0* | *58* | *3* | *0·13* | – *0·99* | 2·3 | + 0·7 | 27 | 6 | 19 | 40·4 | • | 47·9 | • | Worksop. |
| *a*, East .. *a* Nottingham .. .. | 82 | 47 | 16th | 26 | 18th | 43·3 | 29·9 | 36·6 | – 6·5 | 4 | 43 | 2 | 0·16 | – 0·27 | *2·6* | • | *30* | 6 | 20 | 38·5 | –3·1 | 48·5 | +0·4 | *Buxton.* |
| *p* Birmingham, Edgbsn. | 535 | 52 | 15th | 28 | 21st | 43·0 | 32·0 | 37·5 | – 5·7 | 3 | 36 | 2 | 0·07 | – 0·47 | 2·2 | — | 26 | 6 | 25 | 37·9 | –4·1 | 48·2 | +0·2 | Nottingham. |
| *a* Raunds .. .. .. | 203 | 52 | 15th | 25 | 19th | 44·3 | 29·1 | 36·7 | – 6·0 | 6 | 47 | 2 | 0·16 | — | 1·9 | — | 22 | 5 | 15 | 42·1 | –1·8 | 50·0 | +0·9 | Birmingham. |
| *p* Oxford .. .. .. | 208 | 53 | 15th | 26 | 19th | 44·9 | 30·4 | 37·7 | – 6·3 | 8 | 43 | 4 | 0·14 | – 0·40 | *3·4* | — | *39* | 6 | 19 | 45·8 | • | 52·6 | • | *Raunds.* |
| | | | | | | | | | | | | | | | 3·5 | + 1·5 | 40 | 6 | 20 | • | • | • | • | Oxford. |
| | | | | | | | | | | | | | | | 1·6 | — | 19 | 6 | 24 | 42·2 | –1·3 | 49·5 | +0·7 | Sheffield. |
| *a* Cheadle .. .. .. | 646 | 46 | 18th | 28 | 21st | 42·6 | 30·9 | 36·8 | – 5·5 | 2 | 40 | 3 | 0·39 | – 0·26 | • | • | • | 6 | 26 | • | • | • | • | Cheadle. |
| *p* Shrewsbury .. .. | 191 | 55 | 15th | 21 | 13th | 45·6 | 27·9 | 36·8 | – 7·2 | 10 | 52 | 1 | 0·10 | — | • | • | • | 6 | 20 | • | • | • | • | Shrewsbury. |
| *b*, West .. *a* Hereford§ .. .. | 291 | 53 | 15th | 21 | 21st | 43·7 | 27·7 | 35·7 | – 7·8 | 5 | 51 | 2 | 0·17 | – 0·39 | *4·0* | — | *46* | 6 | 14 | 41·3 | • | 49·8 | • | *Malvern.*§ |
| *a* Cirencester .. .. | 446 | 50 | 15th | 29 | 19th | 42·3 | 34·7 | 38·5 | – 4·0 | 1 | 26 | 2 | 0·22 | – 0·44 | 3·2 | + 1·2 | 37 | 5 | 24 | 43·9 | • | 50·0 | • | Cirencester. |
| *a* Bath .. .. .. | 66 | 53 | 15th | 23 | 19th | 45·0 | 28·6 | 36·8 | – 7·7 | 8 | 49 | 2 | 0·24 | – 0·45 | 3·2 | — | 37 | • | • | 43·4 | –2·9 | 51·2 | –0·6 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Kew .. .. .. | 18 | 53 | 15th | 29 | 19th | 44·7 | 32·4 | 38·6 | – 5·5 | 8 | 36 | 3 | 0·52 | + 0·01 | 2·6 | + 0·9 | 30 | 5 | 22 | 40·9 | –3·2 | 50·5 | +0·2 | Kew. |
| *a* Marlborough .. .. | 424 | 50 | 15th | 21 | 19th | 43·7 | 26·4 | 35·1 | – 7·4 | 5 | 56 | 3 | 0·27 | – 0·47 | 3·3 | + 0·7 | 38 | 5 | 15 | 42·9 | • | 50·8 | • | Marlborough. |
| *a* Margate .. .. | 53 | 55 | 15th | 33 | 15, 20 | 45·4 | 37·7 | 41·6 | – 4·0 | 10 | 18 | 4 | 1·39 | + 0·74 | 2·1 | 0·0 | 24 | 0 | 31 | 44·5 | –0·8 | 51·6 | +2·1 | Margate. |
| *a* Wisley, Surrey .. | 150 | 54 | 15th | 25 | 18th | 42·7 | 30·4 | 36·6 | – 8·2 | 2 | 41 | 2 | 0·97 | — | 2·8 | — | 32 | 6 | 17 | 41·2 | –2·8 | 50·2 | +0·5 | Wisley. |
| | | | | | | | | | | | | | | | 5·3 | — | 60 | 5 | 24 | 44·2 | –0·4 | 52·4 | +1·0 | Worthing. |
| *p* Salisbury (Wilton) .. | 180 | 53 | 15th | 24 | 19th | 43·6 | 29·3 | 36·5 | – 7·2 | 4 | 46 | 2 | 0·31 | – 0·51 | • | • | • | 6 | 21 | 42·9 | • | • | • | Salisbury. |
| *x* Tunbridge Wells .. | 354 | 54 | 15th | 28 | 15th | 44·0 | 31·3 | 37·7 | – 6·3 | 6 | 39 | 2 | 0·85 | + 0·07 | 3·6 | + 1·3 | 40 | 6 | 20 | 43·7 | +0·5 | 50·9 | • | Tunbridge Wells |
| *a* Dungeness .. .. | 21 | 54 | 15th | 29 | 15th | 44·4 | 34·1 | 39·3 | – 7·1 | 7 | 30 | 3 | 1·10 | + 0·52 | • | • | • | • | • | • | • | • | • | Littlestone. |
| *p* Hastings.. .. .. | 178 | 55 | 15th | 32 | 15th | 45·4 | 34·7 | 40·1 | – 5·9 | 10 | 28 | 3 | 0·98 | + 0·25 | *4·8* | + *2·3* | *54* | 5 | 26 | 43·0 | • | 52·0 | • | *Hastings.* |
| *p* Southampton .. .. | 64 | 55 | 15th | 28 | 19, 21 | 45·0 | 31·4 | 38·2 | – 7·8 | 8 | 39 | 2 | 0·31 | – 0·44 | 4·7 | + *2·5* | 53 | 5 | 19 | • | • | • | • | Southampton. |
| *a* Ventnor .. .. .. | 59 | 57 | 15th | 34 | 17th | 47·0 | 36·9 | 42·0 | – 6·0 | 14 | 14 | 2 | 0·78 | + 0·05 | 4·3 | + 1·9 | 48 | • | • | • | • | • | • | Ventnor. |
| | | | | | | | | | | | | | | | *4·2* | — | *47* | 5 | 24 | 43·9 | –2·3 | 52·4 | +0·6 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 4·7 | + 2·4 | 53 | • | • | 46·6 | • | 53·5 | • | Eastbourne. |
| LONDON. | | | | | | | | | | | | | | | *5·4* | — | *61* | • | • | 43·3 | • | 49·5 | • | *Bournemouth.* |
| *a Westminster* .. .. | *27* | *54* | *15th* | *31* | *15, 19* | *45·1* | *34·1* | *39·6* | – *4·9* | *9* | *30* | *2* | *0·53* | *0·00* | *4·9* | + *2·5* | *55* | 5 | 25 | • | • | 51·9 | • | *Brighton.* |
| *a Greenwich* .. .. | *155* | *54* | *15th* | *29* | *15, 19* | *44·7* | *32·7* | *38·7* | – *5·8* | *8* | *34* | *2* | *0·70* | + *0·17* | *1·4* | + *0·4* | *16* | 3 | 29 | • | • | • | • | *Westminster.* |
| *a Hampstead* .. .. | *450* | *51* | *15th* | *27* | *21st* | *43·2* | *29·7* | *36·5* | — | *3* | *44* | *2* | *0·39* | — | *2·7* | + *1·1* | *31* | 6 | 24 | • | • | • | • | *Greenwich.* |
| *a Camden Square* .. | *110* | *53* | *15th* | *30* | *18, 19, 21* | *44·3* | *32·6* | *38·5* | — | *6* | *35* | *3* | *0·50* | — | *3·4* | — | *39* | 6 | 19 | • | • | • | • | *Hampstead.* |
| | | | | | | | | | | | | | | | *2·6* | — | *30* | 6 | 26 | • | • | • | • | *Camden Square.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | *2·4* | — | *28* | 6 | 18 | 39·1 | –2·0 | 48·7 | +1·2 | *Burnley.* |
| *p* Aspatria .. .. .. | 250 | 46 | 19th | 26 | 18th | 40·9 | 30·1 | 35·5 | – 7·3 | 0 | 46 | 1 | 0·19 | – 0·79 | 2·7 | — | 31 | • | • | • | • | • | • | Hoylake. |
| *p* Newton Rigg .. .. | 559 | 43 | 19th | 22 | 18th | 40·1 | 27·7 | 33·9 | – 7·5 | 0 | 57 | 3 | 0·09 | – 0·76 | 3·5 | — | 42 | 4 | 16 | 41·5 | • | 49·0 | • | Aspatria. |
| *p* Stonyhurst .. .. | 375 | 46 | 19th | 21 | 21st | 41·7 | 29·6 | 35·7 | – 7·3 | 0 | 44 | 3 | 0·76 | – 0·29 | 2·7 | + 1·0 | 33 | 7 | 14 | 41·2 | –2·1 | 47·4 | +0·1 | Newton Rigg. |
| *p* Blackpool .. .. | 66 | 49 | 19th | 27 | 18th | 43·3 | 31·1 | 37·2 | – 7·3 | 4 | 39 | 3 | 0·30 | – 0·54 | 3·4 | + 1·8 | 40 | 7 | 17 | • | • | • | • | Stonyhurst. |
| *a Southport* .. .. | *37* | *48* | *19th* | *28* | *18, 21* | *43·4* | *31·3* | *37·4* | – *6·9* | *4* | *39* | *2* | *0·11* | – *0·69* | *4·1* | + *2·5* | *48* | 7 | 17 | 44·7 | • | 50·9 | • | Blackpool. |
| *a* Liverpool (Bidston) .. | 188 | 49 | 19th | 31 | 21st | 43·9 | 34·4 | 39·2 | – 4·5 | 5 | 28 | 1 | 0·08 | – 0·54 | *3·5* | + *1·9* | *41* | 6 | 19 | 38·6 | –3·2 | 47·9 | +0·5 | *Southport.* |
| *a Hawarden Bridge* .. | *22* | *48* | *19th* | *21* | *21st* | *43·9* | *31·1* | *37·5* | – *7·9* | *5* | *39* | *0* | *0·00* | – *0·55* | *2·7* | — | *31* | • | • | • | • | • | • | *Liverpool.* |
| *p* Manchester (Whit. Pk.) | 125 | 7 | 15th | 27 | 21st | 43·7 | 31·6 | 37·7 | – 6·8 | 5 | 38 | 2 | 0·16 | – 0·47 | *0·9* | — | *11* | 5 | 22 | 41·7 | –1·0 | 51·0 | +1·2 | *Manchester (City).* |
| | | | | | | | | | | | | | | | *1·2* | + *0·5* | *14* | • | • | • | • | • | • | " *(Whit. Park)* |
| *b* NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno .. .. | 71 | 51 | 19th | 29 | 21st | 47·0 | 33·0 | 40·0 | – 6·8 | 14 | 35 | 1 | 0·19 | – 0·53 | 3·3 | + 1·4 | 38 | • | • | • | • | • | • | Llandudno. |
| *a* Holyhead .. .. | 15 | 52 | 15, 19 | 31 | 21st | 48·1 | 37·7 | 42·9 | – 4·1 | 24 | 12 | 2 | 0·05 | – 0·92 | *4·1* | — | *48* | • | • | • | • | • | • | *Holyhead.* |
| *Bettws-y-Coed* .. | *148* | *51* | *15th* | *25* | *18th* | *43·6* | *29·0* | *36·3* | – *10·0* | *4* | *47* | *2* | *0·15* | — | *2·9* | — | *34* | • | • | 41·4 | –1·6 | 49·4 | +1·0 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 4·6 | — | 53 | • | • | • | • | • | • | Aberdovey |

* For notes see also opposite page.

† At 3 ft.

§ The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | | | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Llangammarch Wells | 550 | 49 | 15th | 16 | 21st | 43·4 | 24·9 | 34·2 | − 8·4 | 4 | 61 | 2 | 0·27 | — | 4·5 | — | 52 | | | | | | | Aberystwyth. |
| *a* Pembroke .. .. | 149 | 53 | 15th | 31 | 21st | 46·4 | 36·7 | 41·6 | − 6·4 | 12 | 22 | 2 | 0·43 | − 0·47 | 3·2 | — | 37 | 6 | 13 | 41·7 | −2·8 | | | Llangammarch. |
| *p* Cardiff .. .. .. | 202 | 53 | 15th | 29 | 19, 21 | 44·4 | 33·4 | 38·9 | − 5·6 | 7 | 32 | 2 | 0·63 | − 0·33 | 3·5 | + 1·4 | 40 | | | | | | | Pembroke. |
| | | | | | | | | | | | | | | | *4·3* | — | *49* | 4 | 25 | 43·0 | −0·5 | 50·9 | +1·1 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 47 | 16th | 27 | 19, 21 | 42·1 | 32·4 | 37·3 | − 7·7 | 0 | 34 | 3 | 0·36 | − 0·40 | *3·6* | — | *40* | 6 | 21 | | | | | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 49 | 15th | 25 | 21st | 41·1 | 30·3 | 35·7 | − 8·3 | 0 | 44 | 2 | 0·22 | − 0·61 | | | | | | 43·0 | | 51·2 | | Shaftesbury. |
| *a* Arlington .. .. | 613 | 50 | 16th | 27 | 19th | 46·1 | 32·1 | 39·1 | − 5·6 | 11 | 38 | 3 | 1·17 | − 0·17 | | | | 3 | 25 | 46·3 | | 52·6 | | Arlington. |
| *a Newquay* .. .. | *190* | *53* | *15th* | *30* | *21st* | *47·4* | *35·0* | *41·2* | *− 7·1* | *15* | *28* | *2* | *0·49* | *− 0·24* | 3·9 | + 1·3 | 44 | 6 | 18 | 44·9 | | | | Newquay. |
| *a* Cullompton .. .. | 202 | 52 | 15th | 24 | 19th | 44·7 | 30·3 | 37·5 | − 7·5 | 8 | 43 | 2 | 0·27 | − 0·53 | 3·2 | + 1·3 | 36 | | | | | | | Cullompton. |
| *a* Portland Bill .. .. | 19 | 53 | 15th | 35 | 19th | 46·6 | 37·7 | 42·2 | − 5·7 | 19 | 12 | 2 | 0·63 | — | *5·2* | — | *58* | | | | | | | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 54 | 15th | 32 | 19th | 46·4 | 36·1 | 41·3 | − 6·2 | 12 | 24 | 3 | 0·41 | − 0·45 | 4·3 | + 2·0 | 48 | | | 45·0 | −2·0 | | | Plymouth. |
| *a* Falmouth .. .. | 167 | 54 | 15th | 34 | 21st | 48·0 | 38·0 | 43·0 | − 5·5 | 24 | 11 | 3 | 0·67 | − 0·47 | 3·4 | + 0·8 | 38 | 3 | 27 | 48·0 | | 53·6 | | Falmouth. |
| **9.** IRELAND. N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. { *a* Malin Head .. | 208 | 51 | 19th | 33 | 15th | 45·9 | 36·4 | 41·2 | − 4·3 | 11 | 23 | 2 | 0·05 | − 0·70 | *1·8* | — | *22* | | | | | | | *Malin Head.* |
| *a* Blacksod Point .. | 37 | 51 | 20th | 35 | 15th | 47·3 | 39·6 | 43·5 | − 3·1 | 21 | 7 | 1 | 0·16 | − 1·07 | | | | | | | | | | |
| *p* Markree Castle .. | 122 | 49 | 19, 20 | 21 | 19th | 46·1 | 36·3 | 38·2 | − 7·6 | 11 | 58 | 1 | 0·03 | − 0·96 | 2·8 | + 0·9 | 33 | 5 | 18 | 44·3 | | 51·3 | | Markree Castle |
| *a* Birr Castle .. | 175 | 50 | 15th | 25 | 18, 19 | 44·3 | 30·1 | 37·2 | − 6·3 | 6 | 43 | 1 | 0·16 | − 0·80 | *3·4* | + *1·3* | *40* | | | | | | | *Birr Castle.* |
| *b*, East .. { *p* Armagh .. .. | 196 | 47 | 16, 20 | 23 | 17th | 44·3 | 30·7 | 37·5 | − 6·2 | 6 | 41 | 3 | 0·07 | − 0·63 | 2·6 | + 0·6 | 31 | 6 | 19 | 43·2 | −0·8 | 49·7 | +0·6 | Armagh. |
| *a* Donaghadee .. | 101 | 51 | 19th | 33 | 15, 19 | 46·1 | 36·9 | 41·5 | − 3·7 | 11 | 21 | 1 | 0·04 | − 0·71 | | | | 5 | 22 | 44·6 | −0·6 | 50·0 | +0·7 | Trinity Coll. |
| | | | | | | | | | | | | | | | 2·8 | + 0·4 | 33 | 4 | 19 | | | | | Phœnix Park. |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | | | | 3 | 28 | | | | | Dublin City. |
| *a*, East .. { *p* Dublin, City .. .. | 47 | 49 | 15th | 29 | 19th | 45·4 | 34·4 | 39·9 | − 6·1 | 10 | 29 | 3 | 0·31 | − 0·35 | | | | | | | | | | |
| *a* Kilkenny .. .. | 212 | 50 | 15th | 25 | 19th | 45·3 | 29·4 | 37·4 | − 6·6 | 9 | 47 | 2 | 0·12 | − 0·63 | | | | | | | | | | |
| *a* Waterford .. .. | 30 | 50 | 15th | 30 | 19, 21 | 45·4 | 33·9 | 39·7 | − 5·8 | 10 | 31 | 1 | 0·37 | − 0·55 | | | | | | | | | | |
| *a Seskin, Carrick-on-Suir* | *541* | *48* | *15th* | *30* | *21st* | *43·6* | *34·1* | *38·9* | — | *4* | *29* | *2* | *0·07* | — | *3·1* | — | *36* | 3 | 24 | | | | | *Seskin.* |
| *b*, West .. { *a* Birr Castle .. .. | 175 | 50 | 15th | 25 | 18, 19 | 44·3 | 30·1 | 37·2 | − 6·3 | 6 | 43 | 1 | 0·16 | − 0·60 | 3·4 | + 1·3 | 40 | | | | | | | Birr Castle. |
| *a* Foynes .. .. | 50 | 48 | 15th | 27 | 21st | 45·4 | 33·6 | 39·5 | − 6·0 | 10 | 32 | 1 | 0·18 | − 0·78 | | | | | | | | | | |
| *a* Cahir .. .. | 199 | 48 | 15th | 24 | 19th | 44·6 | 30·9 | 37·8 | − 7·5 | 7 | 41 | 1 | 0·22 | — | | | | | | | | | | |
| *a* Killarney .. .. | 174 | 53 | 15th | 31 | 17th | 48·3 | 35·5 | 41·9 | − 4·1 | 18 | 27 | 3 | 0·27 | − 1·11 | | | | | | | | | | |
| *a* Valencia .. .. | 30 | 53 | 15th | 35 | 17, 20 | 49·1 | 39·9 | 44·5 | − 3·5 | 26 | 6 | 2 | 0·24 | − 1·10 | 3·5 | + 1·2 | 40 | | | | | | | Valencia. |
| *a* Roche's Point .. | 32 | 52 | 15th | 34 | 21st | 48·1 | 39·9 | 44·0 | − 3·6 | 23 | 6 | 2 | 0·26 | − 0·79 | 2·8 | — | 32 | | | | | | | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 55 | 15th | 39 | 21st | 51·0 | 42·4 | 46·7 | − 3·5 | 33 | 0 | 3 | 0·55 | − 0·26 | 2·4 | + 0·3 | 27 | | | | | | | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 56 | 15th | 33 | 19th | 47·6 | 39·3 | 43·5 | − 5·6 | 22 | 8 | 4 | 1·32 | + 0·41 | 4·5 | + 1·8 | 50 | | | | | | | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 54 | 15, 17 | 36 | 21st | 48·4 | 40·9 | 44·7 | − 4·8 | 24 | 3 | 3 | 0·76 | − 0·29 | 3·8 | + 1·6 | 42 | 0 | 31 | 47·7 | −3·1 | 54·1 | +1·0 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 5·2 hrs. 58 °/₀; Ramsgate, 2·5 hrs. 28 °/₀; Rhyl, 3·7 hrs. 43 °/₀; Salcombe, 4·1 hrs. 46 °/₀; Tenby, 4·3 hrs. (+2·1) 49 °/₀; Torquay, 3·7 hrs. (+1·5) 42 °/₀.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Nov. 21st.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | 46 | 45 | 45·4 | −3·8 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 50 | 41 | 45·6 | −0·6 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 42 | 40 | 40·9 | −5·1 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | — | — | — | — |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 53 | 44 | 48·7 | −0·8 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 52 | 49 | 50·5 | −0·2 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 53 | 51 | 51·9 | — |
| Plymouth‡ .. .. | 55 | 52 | 53·2 | +0·1 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | — | — | — | — |
| Seafield .. .. | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of WIND RECORDS from PRESSURE TUBE ANEMOGRAPHS. [1914.]

Week ending at midnight (24h.) on Saturday, November 21st.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | — | — | 5 | 163 | W. by S. 6 | 19th 2h. | 16 19th 1.15 |
| Aberdeen* .. .. | 105 | — | — | 19th | 2 | 25 | 141 | W. by N. 12 | 19th 2h. | 18 19th 2.10 |
| Rosyth .. .. | 73 | — | — | 15th | 2 | 28 | 138 | SSE. 13 | 15th 11h. | 19 15th 10.40 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 15, 19 | 8 | 42 | 118 | NNE. 13 | 15th 22h. | 18 15th 23.50 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 16 | 152 | E. 8 | 15th 13h. | 16 15th 13.45 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 16§ | 149§ | SE. by E. 7 | 15th 13h. | 13 19th 8. 5 |
| South Shields .. | 61 | — | — | 15, 16 | 19 | 47 | 102 | E. by N. 15 | 15th 20h. | 20 15th 16.40 |
| Spurn Head .. | 40 | — | — | — | — | — | — | — | — | — — — |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | 15th | 1 | 15 to 17, 19, 21 | 23 | 69 | 75 | — 18 | 15th 11h. | 24 16th 8.25 |
| Shoeburyness .. | 90 | — | — | 15, 16 | 6 | 57 | 105 | S. by W. 17 | 15th 10h. | 22 15th 10.15 |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | 15th | 1 | 15, 16 | 15 | 93 | 59 | — 19 | 15th 11h. | 28 15th 10.25 |
| Warlingham .. | 33 | — | — | — | — | 18§ | 66§ | — 11 | 15th 8h. | 18 15th 8.10 |
| Brighton .. .. | 53 | — | — | 15th | 5 | 68 | 95 | — 15 | 15th 9h. | 23 15th 9. 0 |
| Kew† .. .. | 65 | — | — | — | — | 25 | 143 | SSW. 9 | 15th 10h. | 15 16th 14.30 |
| South Kensington | 92 | — | — | — | — | 3 | 165 | SSW. 6 | 15th 10h. | 12 16th 10.40 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | 10 | 158 | ENE. 9 | 15th 24h. | 22 15th 23.50 |
| Southport .. .. | 62 | — | — | 15, 19 | 3 | 58 | 107 | E. by N. 13 | 15th 6h. | 21 15th 8.35 |
| Holyhead* .. .. | 40 | — | — | 15, 16, 19 | 21 | 66 | 81 | NE. 15 | 16th 2h. | 22 15th 5.50 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle* | 65 | 15th | 3 | 15 to 21 | 83 | 49 | 33 | W. 21 | 15th 4h. | 29 15th 15.55 |
| Plymouth .. .. | 86 | — | — | 15th | 7 | 30 | 131 | — 17 | 15th 4h. | 24 15th 5.40 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 15, 16 | 16 | 106 | 46 | — 15 | 15th 20h. | 24 15th 4.30 |
| Weaver Pt. .. | 30 | — | — | 15 to 18 | 34 | 92 | 42 | — 16 | 15th 21h. | 23 15th 12.15 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly* .. .. | 19 | 15, 16 | 6 | 15 to 17, 20, 21 | 36 | 95 | 31 | NW. 21 | 16th 1h. | 32 15th 23.50 |

* Wind Direction is taken from the Robinson Instrument.

† Until May 9th the anemograph was about ½ mile East of the Observatory with a vane 40 ft. above ground. The instrument now used is on the Observatory Building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day. The rims of the gauges are 1 foot above the ground

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

**FORTY-SIXTH WEEK**—November 15th to November 21st, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr | hr. | % | mb. |
| **0.** SCOTLAND, NORTH ... | 50 | 21 | 42·8 | 32·5 | 37·7 | − 4·7 | 2 | − 18 | 34 | +18 | 4 | − 1 | 0·32 | −0·91 | 0·9 | −0·2 | 11 | 1022 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 50 | 14 | 42·0 | 29·7 | 35·8 | − 5·8 | 0 | − 19 | 43 | +21 | 4 | 0 | 0·39 | −0·31 | 1·3 | −0·4 | 16 | 1022 |
| **2.** ENGLAND, N.E. ... ... | 48 | 25 | 44·1 | 32·7 | 38·4 | − 4·8 | 6 | − 17 | 34 | +20 | 5 | + 1 | 0·60 | +0·04 | 2·2 | +0·3 | 26 | 1020 |
| **3.** ENGLAND, EAST ... | 54 | 24 | 44·6 | 33·0 | 38·8 | − 4·6 | 7 | − 19 | 33 | +17 | 5 | + 1 | 0·58 | +0·08 | 3·0 | +0·9 | 35 | 1018 |
| **4** MIDLAND COUNTIES ... | 55 | 21 | 43·4 | 30·1 | 36·8 | − 5·9 | 4 | − 19 | 43 | +24 | 2 | − 1 | 0·20 | −0·35 | 2·6 | +0·9 | 31 | 1019 |
| **5.** ENGLAND, S.E. ... ... | 57 | 21 | 44·6 | 32·5 | 38·6 | − 6·6 | 7 | − 26 | 35 | +25 | 3 | − 1 | 0·74 | +0·08 | 3·7 | +1·7 | 42 | 1017 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 52 | 19 | 43·9 | 30·8 | 37·3 | − 6·5 | 5 | − 20 | 40 | +28 | 1 | − 3 | 0·05 | −1·17 | 2·1 | +0·5 | 25 | 1022 |
| **7.** ENGLAND, N.W. ... ... | 52 | 21 | 43·6 | 31·9 | 37·8 | − 6·4 | 4 | − 22 | 37 | +27 | 2 | − 2 | 0·23 | −0·57 | 3·5 | +1·8 | 40 | 1019 |
| **8.** ENGLAND, S.W. ... ... | 54 | 16 | 44·9 | 33·2 | 39·1 | − 6·9 | 8 | − 28 | 33 | +25 | 2 | − 2 | 0·51 | −0·43 | 3·7 | +1·6 | 43 | 1018 |
| **9.** IRELAND, NORTH ... | 51 | 21 | 45·7 | 33·3 | 39·5 | − 4·5 | 10 | − 16 | 33 | +21 | 2 | − 2 | 0·09 | −0·84 | 2·7 | +0·7 | 32 | 1019 |
| **10.** IRELAND, SOUTH ... | 53 | 24 | 46·2 | 34·2 | 40·2 | − 5·3 | 12 | − 23 | 30 | +20 | 2 | − 2 | 0·24 | −0·75 | 3·1 | +0·9 | 36 | 1019 |
| **11.** ENGLISH CHANNEL ... | 56 | 33 | 49·0 | 40·9 | 45·0 | − 4·6 | 26 | − 28 | 3 | + 2 | 3 | − 2 | 0·88 | −0·01 | 3·6 | +1·1 | 40 | 1016 |

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 12 Weeks, August 30th to November 21st, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 75 | 21 | * | * | * | * | 603 | + 24 | 45 | −26 | 54 | − 6 | 8·89 | −5·13 | 2·4 | −0·2 | 22 | 1014 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 76 | 14 | * | * | * | * | 632 | + 14 | 80 | −14 | 44 | − 6 | 5·76 | −2·18 | 3·0 | −0·1 | 27 | 1015 |
| **2.** ENGLAND, N.E. ... ... | 82 | 25 | * | * | * | * | 793 | + 66 | 37 | −10 | 40 | − 5 | 5·34 | −1·57 | 3·7 | +0·3 | 33 | 1016 |
| **3.** ENGLAND, EAST ... | 82 | 24 | * | * | * | * | 887 | + 59 | 36 | −19 | 41 | − 3 | 4·78 | −1·66 | 4·0 | +0·1 | 36 | 1016 |
| **4.** MIDLAND COUNTIES ... | 82 | 21 | * | * | * | * | 811 | + 53 | 56 | −13 | 36 | − 7 | 5·51 | −1·46 | 3·7 | +0·3 | 33 | 1017 |
| **5.** ENGLAND, S.E. ... ... | 82 | 21 | * | * | * | * | 933 | + 9 | 36 | + 1 | 36 | − 7 | 5·99 | −1·93 | 4·7 | +0·8 | 42 | 1017 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 77 | 19 | * | * | * | * | 720 | + 32 | 45 | − 5 | 38 | −13 | 7·14 | −6·07 | 3·2 | 0·0 | 29 | 1016 |
| **7.** ENGLAND, N.W. ... ... | 77 | 22 | * | * | * | * | 805 | + 31 | 38 | + 4 | 41 | − 8 | 7·67 | −2·13 | 3·7 | +0·5 | 34 | 1016 |
| **8.** ENGLAND, S.W. ... ... | 80 | 16 | * | * | * | * | 903 | + 23 | 33 | + 7 | 40 | − 9 | 8·06 | −2·88 | 4·2 | +0·5 | 38 | 1017 |
| **9.** IRELAND, NORTH ... | 75 | 21 | * | * | * | * | 777 | + 58 | 38 | − 3 | 42 | −13 | 5·72 | −4·47 | 3·1 | 0·0 | 28 | 1015 |
| **10.** IRELAND, SOUTH ... | 78 | 24 | * | * | * | * | 885 | + 59 | 35 | 0 | 39 | −10 | 7·82 | −2·14 | 3·6 | 0·0 | 32 | 1017 |
| **11.** ENGLISH CHANNEL ... | 82 | 33 | * | * | * | * | 1141 | + 19 | 3 | + 2 | 42 | −12 | 9·08 | −0·37 | 4·7 | +0·1 | 41 | 1017 |

THE YEAR.—Aggregates, &c., for the Period of 46 Weeks, January 4th, 1914, to November 21st, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0.** SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 2249 | +198 | 436 | −192 | 208 | − 7 | 38·24 | −6·08 | 3·3 | −0·1 | 26 | 1010 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| **1.** SCOTLAND, EAST ... | 88 | 14 | * | * | * | * | 2526 | +228 | 572 | −142 | 168 | −10 | 24·42 | −2·38 | 4·1 | +0·1 | 32 | 1011 |
| **2.** ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 3014 | +440 | 336 | −186 | 152 | − 9 | 19·88 | −1·85 | 4·6 | +0·3 | 36 | 1013 |
| **3.** ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 3348 | +375 | 335 | −241 | 148 | − 8 | 18·45 | −2·36 | 5·0 | +0·3 | 39 | 1015 |
| **4.** MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 3197 | +310 | 423 | −179 | 149 | − 5 | 21·45 | −1·64 | 4·5 | +0·3 | 35 | 1015 |
| **5.** ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 3452 | +230 | 276 | −140 | 143 | − 6 | 23·31 | −0·06 | 5·4 | +0·7 | 43 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| **6.** SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 2703 | +206 | 362 | −113 | 178 | − 8 | 34·07 | −6·85 | 4·0 | −0·1 | 32 | 1012 |
| **7.** ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 3021 | +285 | 265 | −155 | 165 | − 7 | 27·83 | −2·29 | 4·5 | +0·4 | 36 | 1014 |
| **8.** ENGLAND, S.W. ... ... | 86 | 16 | * | * | * | * | 3278 | +219 | 225 | −102 | 172 | + 2 | 34·96 | +2·26 | 4·9 | +0·3 | 39 | 1015 |
| **9.** IRELAND, NORTH ... | 80 | 21 | * | * | * | * | 2818 | +208 | 284 | −102 | 194 | − 8 | 29·75 | −3·35 | 3·8 | 0·0 | 30 | 1012 |
| **10.** IRELAND, SOUTH ... | 81 | 24 | * | * | * | * | 3240 | +234 | 209 | − 85 | 190 | +10 | 33·95 | −0·30 | 4·3 | 0·0 | 34 | 1014 |
| **11.** ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 3787 | +210 | 75 | − 35 | 167 | −15 | 29·33 | +1·86 | 5·4 | −0·3 | 43 | 1016 |

M.O., November 25, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report. They are expressed in millibars (1000 = 29·531 mb mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) } No. 47. FORTY-SEVENTH WEEK, SUNDAY, NOVEMBER 22ND, TO SATURDAY, NOVEMBER 28TH, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

Very changeable weather prevailed over the United Kingdom. Rain fell frequently, but was seldom heavy, and the total amount for the week was not greatly in excess of the normal except at some places in the far north and north-west. Thunder and lightning, or thunder only, occurred at a few stations in Scotland and the north-west of England on the 26th, and at Douglas and Fort William on the 28th. Temperature underwent some sudden changes, but was as a whole a little below the average. Frost was recorded in every district except the English Channel—mostly on the 22nd—and was more severe in the north of Ireland than elsewhere. At Markree Castle the thermometer fell to 17°. Late in the week maximum readings above 55° were registered over a large area, the highest value being 59° at Llandudno on the 26th. The number of hours of bright sunshine was below the normal in almost all parts of the Kingdom. At Burnley and Manchester there was none, and in many other localities the record was less than an hour. The brightest places were on the east and south Coasts; more than two and a half hours per day was recorded at some stations.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Deficient | Moderate | Moderate | Deficient | Deficient | Moderate | Deficient | Deficient | Moderate | Deficient |
| | Rainfall ... | Heavy | Heavy | Moderate | Heavy | Moderate | Heavy | Heavy | Heavy | Moderate | Heavy | Moderate | Moderate |
| | Sunshine ... | Moderate | Abundant | Scanty | Moderate | Scanty | Moderate | Scanty | Scanty | Scanty | Scanty | Scanty | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 13 weeks from Aug. 30th, 1914. | Warmth ... | 4 * 3 | 4 * 2 | 6 * 3 | 5 * 2 | 5 * 2 | 4 * 4 | 4 * 4 | 6 * 3 | 4 * 3 | 7 * 3 | 4 * 2 | 4 * 3 |
| | Rainfall ... | 3 * 8 | 4 * 8 | 3 * 6 | 2 * 5 | 2 * 5 | 3 * 5 | 3 * 7 | 5 * 7 | 3 * 6 | 3 * 8 | 4 * 7 | 3 * 3 |
| | Sunshine ... | 3 * 4 | 4 * 5 | 3 * 5 | 3 * 3 | 4 * 5 | 6 * 2 | 2 * 4 | 6 * 2 | 4 * 5 | 2 * 4 | 3 * 4 | 3 * 5 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUTUMN, 1913. Aug. 31st–Nov. 29th. 13 weeks. | Warmth ... | 6 * 0 | 8 * 0 | 8 * 0 | 10 * 0 | 11 * 0 | 11 * 0 | 6 * 0 | 9 * 0 | 9 * 0 | 8 * 0 | 9 * 2 | 11 * 0 |
| | Rainfall ... | 4 * 4 | 2 * 4 | 4 * 6 | 5 * 6 | 5 * 4 | 5 * 5 | 2 * 4 | 4 * 6 | 3 * 5 | 3 * 2 | 7 * 1 | 4 * 3 |
| | Sunshine ... | 5 * 4 | 5 * 6 | 6 * 3 | 4 * 1 | 4 * 3 | 5 * 2 | 1 * 4 | 6 * 3 | 4 * 6 | 2 * 5 | 2 * 6 | 2 * 4 |
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| | Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3 * 1 | 6 * 0 | 8 * 1 | 8 * 2 | 6 * 1 | 7 * 1 | 5 * 3 | 5 * 1 | 8 * 1 | 6 * 3 | 6 * 2 | 9 * 1 |
| | Rainfall ... | 5 * 2 | 5 * 5 | 4 * 6 | 4 * 5 | 4 * 5 | 5 * 4 | 6 * 4 | 4 * 5 | 7 * 6 | 5 * 5 | 4 * 6 | 6 * 5 |
| | Sunshine ... | 4 * 4 | 4 * 2 | 3 * 2 | 6 * 5 | 4 * 5 | 4 * 1 | 4 * 2 | 4 * 2 | 4 * 2 | 4 * 4 | 4 * 4 | 4 * 4 |
| SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. | Warmth ... | 5 * 0 | 6 * 3 | 6 * 1 | 6 * 1 | 5 * 2 | 5 * 2 | 7 * 2 | 5 * 1 | 5 * 2 | 6 * 1 | 4 * 2 | 5 * 3 |
| | Rainfall ... | 2 * 4 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 4 | 2 * 4 | 2 * 7 | 4 * 3 | 5 * 3 | 2 * 7 | 4 * 2 | 7 * 3 |
| | Sunshine ... | 6 * 2 | 4 * 3 | 4 * 5 | 5 * 3 | 6 * 5 | 5 * 2 | 3 * 4 | 6 * 4 | 3 * 5 | 5 * 3 | 4 * 4 | 1 * 6 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**
**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**
**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(3331—19.) Wt. 229—611. 450. 12/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. | | | | Mean for the Week. | | | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Of Highest each day. | Of Lowest each day. | For whole of each day. | | Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | *49* | *25, 26* | *35* | *24th* | *46·1* | *37·8* | *42·0* | — | *11* | *12* | *7* | *1·52* | — | *0·6* | — | *9* | | | 40·8 | | | | *Baltasound.* |
| *a* Lerwick | 54 | 50 | 24, 26 | 36 | 24th | 47·7 | 39·0 | 43·4 | + 0·9 | 22 | 8 | 7 | 1·58 | — | 1·1 | 0·0 | 16 | | | | | | | Deerness. |
| *a*, Islands .. *a* Stornoway | 51 | 52 | 25th | 33 | 26th | 46·3 | 35·0 | 40·7 | − 1·8 | 12 | 28 | 7 | 1·89 | + 0·54 | 1·2 | − 0·1 | 16 | | | | | | | Stornoway. |
| *a Castlebay, Barra Isd.* .. | *37* | *53* | *25th* | *39* | *24, 27* | *48·9* | *40·4* | *44·7* | − *0·8* | *26* | *4* | *7* | *1·10* | — | *0·6* | — | *8* | | | | | | | *Castlebay.* |
| *a* Wick | 81 | 54 | 26th | 32 | 25th | 46·9 | 33·9 | 40·4 | − 1·2 | 14 | 32 | 6 | 0·61 | − 0·04 | | | | | | | | | | |
| *p* Strathpeffer | 200 | | | | | | | | | | | | | | | | | | | | | | | Strathpeffer. |
| *b*, Mainland. *p* Glencarron | 500 | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Fort Augustus | 68 | 53 | 26th | 29 | 22nd | 44·4 | 34·1 | 39·3 | − 1·9 | 7 | 30 | 6 | 1·98 | + 0·97 | 0·3 | − 0·2 | 4 | | | | | | | Fort Augustus, |
| *p* Fort William | 171 | 53 | 26th | 30 | 22nd | 45·1 | 35·3 | 40·2 | − 2·2 | 9 | 26 | 6 | 3·14 | + 1·21 | | | | | | | | | | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | 2·1 | — | 28 | 4 | 20 | 39·6 | −0·4 | 44·7 | −0·2 | Crathes S. |
| *p* Gordon Castle | 101 | 56 | 26th | 30 | 22nd | 46·6 | 35·4 | 41·0 | − 0·7 | 13 | 26 | 5 | 0·29 | − 0·27 | *1·9* | — | *26* | | | | | | | *Gordon Castle.* |
| *a* Nairn | 82 | 54 | 25, 26 | 29 | 23rd | 45·4 | 32·7 | 39·1 | − 1·7 | 10 | 35 | 5 | 0·67 | + 0·20 | 0·8 | — | 11 | | | | | | | Nairn. |
| *a* Aberdeen | 46 | 54 | 26th | 31 | 25, 26 | 46·7 | 35·3 | 41·0 | − 0·6 | 13 | 27 | 5 | 0·57 | − 0·10 | 2·3 | + 0·6 | 31 | | | | | 45·6 | +0·7 | Aberdeen. |
| *a* Balmoral | 930 | 55 | 26th | 22 | 25th | 47·1 | 29·6 | 38·4 | + 0·6 | 14 | 47 | 4 | 0·69 | − 0·17 | | | | 4 | 19 | | | | | Balmoral. |
| *p* Crieff | 432 | 53 | 26th | 30 | 24, 25 | 44·9 | 33·7 | 39·3 | − 1·5 | 8 | 31 | 6 | 1·77 | + 0·72 | 1·9 | — | 25 | | | | | | | Balruddery. |
| *a* Leith | 18 | 57 | 26th | 30 | 22nd | 48·9 | 35·3 | 42·1 | − 0·7 | 29 | 19 | 4 | 0·34 | − 0·11 | | | | | | | | | | |
| *a* West Linton | 769 | 53 | 26th | 20 | 22nd | 45·4 | 30·7 | 38·1 | − 1·5 | 10 | 42 | 6 | 1·36 | — | *1·5* | — | *20* | 6 | 17 | | | | | *West Linton.* |
| *p* Marchmont | 498 | 53 | 26th | 29 | 24th | 43·4 | 33·3 | 38·4 | − 1·9 | 4 | 32 | 6 | 0·81 | + 0·12 | 1·6 | + 0·1 | 21 | 4 | 25 | | | | | Marchmont. |
| *a Edinburgh* | *441* | *55* | *26th* | *33* | *23–24* | *46·1* | *36·4* | *41·3* | — | *11* | *23* | *5* | *0·52* | — | 2·0 | — | 26 | 5 | 24 | | | | | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 52 | 25th | 30 | 22, 23 | 46·4 | 33·7 | 40·1 | − 2·7 | 12 | 32 | 6 | 2·59 | + 1·32 | | | | | | | | | | |
| *p* Glasgow Observatory | 180 | 53 | 26th | 30 | 23rd | 45·9 | 37·4 | 41·7 | − 0·5 | 11 | 19 | 6 | 1·47 | + 0·61 | 0·6 | − 0·1 | 8 | 4 | 25 | | | | | Glasgow. |
| *p* Rothesay | 90 | 53 | 26th | 31 | 23–25 | 46·6 | 36·0 | 41·3 | − 1·9 | 13 | 24 | 6 | 2·47 | + 1·28 | *0·4* | — | *5* | 0 | 31 | 41·6 | | 47·0 | +1·3 | *Rothesay.* |
| *a* Kilmarnock | 90 | 54 | 25th | 28 | 23rd | 48·6 | 33·0 | 40·8 | − 1·2 | 18 | 36 | 6 | 1·66 | — | *0·9* | — | *12* | | | | | | | *Kilmarnock.* |
| *a* Colmonell | 170 | 54 | 26th | 27 | 23, 24 | 49·4 | 34·9 | 42·2 | + 0·2 | 31 | 20 | 5 | 1·40 | + 0·15 | | | | 1 | 21 | | | | | |
| *p* Dumfries | 160 | 53 | 26th | 30 | 25th | 48·6 | 36·9 | 41·8 | − 0·3 | 13 | 21 | 5 | 1·64 | + 0·74 | *1·1* | — | *14* | 3 | 25 | 40·1 | | 45·7 | | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 52 | 26th | 30 | 23, 25 | 47·0 | 36·1 | 41·6 | − 0·3 | 14 | 25 | 5 | 1·42 | + 0·15 | | | | | | | | | | |
| *b*. I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 54 | 26th | 36 | 24th | 48·1 | 40·0 | 44·1 | − 0·6 | 23 | 6 | 7 | 2·34 | + 1·24 | 0·9 | − 1·0 | 11 | 2 | 26 | | | | | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 56 | 26th | 30 | 24th | 48·1 | 35·6 | 41·9 | − 0·1 | 17 | 27 | 6 | 0·57 | − 0·17 | 1·3 | — | 17 | 3 | 25 | 39·0 | +0·7 | 44·3 | +0·8 | Cockle Park. |
| *a* Tynemouth | 71 | 55 | 26th | 33 | 24th | 47·9 | 37·6 | 42·8 | 0·0 | 24 | 12 | 3 | 0·43 | − 0·04 | — | — | — | | | | | | | *Tynemouth.* |
| *p* Durham | 336 | 54 | 26th | 31 | 24th | 44·7 | 36·0 | 40·4 | − 1·0 | 8 | 23 | 6 | 0·63 | + 0·10 | 0·7 | − 0·9 | 9 | 2 | 25 | | | | | Durham. |
| *a*, North .. *p* Rounton | 249 | 54 | 26th | 30 | 24th | 45·2 | 34·7 | 40·0 | − 1·4 | 9 | 28 | 6 | 0·77 | + 0·31 | | | | 4 | 25 | 40·7 | | | | Rounton. |
| *a West Witton* | *605* | *53* | *26th* | *30* | *24th* | *46·0* | *35·3* | *40·7* | — | *11* | *27* | *6* | *1·11* | — | | | | 4 | 26 | 40·0 | | 45·2 | | *West Witton.* |
| *p* Scarborough | 100 | 52 | 26th | 35 | 24th | 46·1 | 38·4 | 42·3 | − 1·0 | 17 | 10 | 5 | 0·44 | − 0·12 | 1·1 | — | 14 | | | | | 49·0† | | Scarborough. |
| *p* York | 56 | 55 | 26th | 31 | 22nd | 46*1 | 35·0 | 40*6 | − 1·8 | 11 | 28 | 7 | 0·64 | + 0·18 | 0·1 | − 1·1 | 1 | | | 42·4 | −0·6 | 48·0 | −0·1 | York. |
| | | | | | | | | | | | | | | | *0·1* | — | *1* | 5 | 22 | 39·0 | −2·2 | 49·0 | +0·8 | *Hull.* |
| *a* Spurn Head | 26 | 50 | 26, 28 | 36 | 24, 25 | 46·0 | 37·7 | 41·9 | − 1·8 | 11 | 18 | 3 | 0·39 | − 0·02 | *1·4* | — | *17* | | | | | | | *Spurn Head.* |
| *b*, South .. *a* Lincoln | 58 | 54 | 26th | 28 | 22nd | 47·7 | 34·0 | 40·9 | − 0·8 | 16 | 32 | 4 | 0·41 | − 0·01 | | | | | | 38·4 | −2·5 | 47·0 | −0·6 | Lincoln. |
| *a* Fulbeck | 180 | 53 | 26th | 29 | 22nd | 46·6 | 33·3 | 40·0 | − 1·2 | 13 | 34 | 5 | 0·98 | + 0·54 | 1·1 | — | 14 | 5 | 24 | 41·3 | −0·1 | 48·6 | +0·1 | Rauceby. |
| | | | | | | | | | | | | | | | 1·2 | — | 15 | | | | | | | Skegness. |
| | | | | | | | | | | | | | | | *2·4* | — | *29* | 1 | 29 | 41·2 | −1·8 | 47·8 | −0·5 | *Lowestoft.* |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Cromer | 196 | 53 | 26th | 36 | 24th | 46·9 | 38·0 | 42·5 | + 0·3 | 20 | 11 | 5 | 0·46 | — | 1·9 | — | 24 | | | | | | | Cromer. |
| *p* Little Massingham | 280 | 51 | 26, 27 | 31 | 22, 24 | 44·6 | 34·4 | 39·5 | − 2·2 | 7 | 28 | 6 | 0·66 | + 0·10 | ? | — | ? | 5 | 23 | | | | | Lit. Massingham. |
| *a*, North .. *a* Yarmouth | 17 | 51 | 26, 28 | 31 | 24, 25 | 45·7 | 34·4 | 40·1 | − 3·0 | 10 | 30 | 4 | 1·02 | + 0·50 | 2·6 | — | 31 | | | 40·9 | −0·4 | 48·0 | −0·1 | Yarmouth. |
| *a* Norwich | 93 | 52 | 26, 28 | 34 | 24, 25 | 46·4 | 36·0 | 41·2 | − 1·2 | 12 | 24 | 6 | 0·65 | — | *2·1* | — | *25* | 4 | 28 | 39·0 | | | | *Norwich.* |
| *a* Geldeston | 37 | 53 | 26th | 32 | 24th | 47·3 | 36·4 | 41·9 | − 1·1 | 15 | 24 | 5 | 0·76 | + 0·25 | 2·2 | + 0·3 | 27 | | | | | | | Geldeston. |
| *p* Cambridge | 41 | 54 | 26th | 31 | 24th | 47·1 | 35·7 | 41·4 | − 0·9 | 14 | 26 | 4 | 0·68 | + 0·26 | 1·4 | − 0·4 | 17 | 6 | 20 | 40·8 | −1·3 | 47·9 | +0·8 | Cambridge. |
| *a Felixstowe* | *10* | *50* | *28th* | *34* | *24th* | *45·9* | *38·1* | *42·0* | − *1·9* | *11* | *11* | *4* | *0·27* | — | *2·2* | — | *27* | | | | | | | *Felixstowe.* |
| *b*, South .. *a* Clacton-on-Sea | 54 | 49 | 28th | 34 | 24th | 45·0 | 38·0 | 41·5 | − 2·1 | 8 | 16 | 4 | 0·33 | — | 2·7 | — | 32 | 1 | 30 | 42·1 | −3·8 | 48·9 | −0·7 | Clacton. |
| *a* Rothamsted | 424 | 53 | 26th | 31 | 22, 24 | 47·1 | 34·9 | 41·0 | − 1·0 | 14 | 28 | 5 | 0·59 | − 0·01 | 1·6 | − 0·2 | 19 | | | | | | | Rothamsted. |
| *a Shoeburyness* | *13* | *52* | *28th* | *34* | *24th* | *46·1* | *37·7* | *41·9* | − *2·1* | *11* | *18* | *4* | *0·44* | + *0·02* | *2·0* | — | *24* | 4 | 28 | 42·0 | −1·4 | | | *Southend.* |
| *p* Tottenham | 51 | 53 | 26th | 35 | 24th | 46·0 | 39·0 | 42·5 | − 1·0 | 16 | 8 | 4 | 0·63 | — | 1·4 | — | 17 | 3 | 29 | | | 49·7 | +0·1 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate | 479 | 54 | 26th | 31 | 22nd | 46·0 | 34·7 | 40·4 | − 0·8 | 11 | 29 | 6 | 1·05 | + 0·43 | *0·1* | — | *1* | 4 | 23 | 39·0 | −1·1 | 47·0 | +0·5 | *Huddersfield.* |
| *a* Bawtry | 65 | 54 | 26th | 27 | 22nd | 47·6 | 33·0 | 40·3 | − 1·5 | 16 | 35 | 5 | 0·45 | 0·00 | 0·4 | — | 5 | 3 | 24 | 41·3 | −0·6 | 44·8 | 0·0 | Harrogate. |
| *p Buxton* | *987* | *50* | *26th* | *27* | *23rd* | *43·0* | *34·3* | *38·7* | − *1·1* | *3* | *28* | *5* | *1·00* | − *0·10* | 0·5 | − 0·9 | 6 | 5 | 21 | 39·7 | | 45·2 | | Worksop. |
| *a*, East .. *a* Nottingham | 82 | 54 | 26th | 27 | 22nd | 47·3 | 33·4 | 40·4 | − 1·8 | 15 | 34 | *0·6* | *1·00* | — | *7* | 4 | 23 | 36·6 | −3·4 | 46·1 | −0·8 | *Buxton.* |
| *p* Birmingham, Edgbsn. | 535 | 51 | 26th | 32 | 22, 23 | 44·3 | 36·1 | 40·2 | − 1·9 | 6 | 22 | 4 | 0·90 | + 0·13 | 0·8 | — | 10 | 4 | 26 | 38·9 | −1·3 | 44·9 | −1·3 | Nottingham. |
| *a* Raunds | 203 | 54 | 26th | 27 | 24th | 46·7 | 32·4 | 39·6 | − 1·9 | 13 | 37 | 4 | 0·57 | + 0·37 | 0·5 | — | 6 | 3 | 25 | 41·7 | −0·7 | 48·4 | +0·2 | Birmingham. |
| *p* Oxford | 208 | 55 | 26th | 30 | 24th | 46·4 | 36·4 | 41·4 | − 1·3 | 12 | 23 | 5 | 0·56 | + 0·03 | *1·3* | — | *16* | 6 | 21 | 43·4 | | 51·3 | | *Raunds.* |
| | | | | | | | | | | | | | | | 1·3 | − 0·5 | 16 | 4 | 23 | | | | | Oxford. |
| *a* Cheadle | 646 | 50 | 26th | 30 | 23rd | 45·0 | 33·4 | 39·2 | − 1·8 | 8 | 32 | *0·6* | — | — | *7* | 4 | 25 | 41·1 | −0·7 | 47·5 | −0·1 | Sheffield. |
| *p* Shrewsbury | 191 | 56 | 26th | 25 | 22nd | 48·4 | 35·1 | 41·8 | − 1·3 | 18 | 29 | 3 | 0·53 | − 0·12 | | | | 3 | 26 | | | | | Cheadle. |
| *b*, West .. *a* Hereford§ | 291 | 52 | 27th | 27 | 23rd | 48·0 | 36·9 | 42·5 | 0·0 | 25 | 14 | 4 | 0·49 | — | | | | 4 | 22 | | | | | Shrewsbury. |
| *a* Cirencester | 446 | 51 | 26, 28 | 32 | 22, 24 | 45·5 | 37·5 | 41·5 | 0·0 | 10 | 18 | 4 | 0·35 | − 0·20 | *1·0* | — | *12* | 5 | 19 | 39·9 | | 46·8 | | *Malvern.*§ |
| *a* Bath | 66 | 55 | 26th | 24 | 25th | 48·6 | 32·4 | 40·5 | − 2·9 | 18 | 38 | 5 | 0·57 | − 0·09 | 0·9 | − 0·9 | 11 | 3 | 23 | 41·7 | | 47·4 | | Cirencester. |
| | | | | | | | | | | | | 5 | 0·92 | + 0·23 | 0·5 | — | 6 | | | 41·2 | −3·5 | 48·1 | −2·2 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Kew | 18 | 53 | 26th | 33 | 24th | 46·6 | 38·1 | 42·4 | − 0·6 | 19 | 11 | 4 | 0·71 | + 0·24 | 1·6 | + 0·1 | 19 | 2 | 21 | 41·1 | −2·1 | 49·7 | +0·8 | Canterbury. |
| *a* Marlborough | 424 | 52 | 28th | 23 | 24th | 45·9 | 32·7 | 39·3 | − 2·1 | 11 | 35 | 4 | 0·81 | + 0·08 | 0·4 | − 1·1 | 5 | 4 | 27 | 40·1 | −2·3 | 48·0 | −0·9 | Kew. |
| *a* Margate | 53 | 52 | 26–28 | 35 | 22nd | 47·7 | 39·0 | 43·4 | − 1·0 | 22 | 8 | 4 | 0·35 | − 0·17 | 1·6 | − 0·3 | 19 | 4 | 17 | 40·7 | | 48·7 | | Marlborough. |
| *a* Wisley, Surrey | 150 | 53 | 26th | 31 | 24th | 47·1 | 36·1 | 41·6 | − 2·1 | 14 | 24 | 4 | 0·74 | — | 2·1 | — | 35 | 0 | 34 | 42·5 | −2·2 | 49·0 | +1·0 | Margate. |
| | | | | | | | | | | | | | | | 2·6 | — | 31 | 4 | 24 | 41·1 | −1·3 | 47·8 | −0·5 | Wisley. |
| *p* Salisbury (Wilton) | 180 | 52 | 26, 28 | 27 | 24th | 45·0 | 33·7 | 39·4 | − 3·1 | 8 | 32 | 5 | 1·13 | + 0·32 | | | | 3 | 28 | 41·0 | −2·1 | 49·6 | | Worthing. |
| *x* Tunbridge Wells | 354 | 51 | 26–28 | 31 | 22, 24 | 46·7 | 35·6 | 41·2 | − 1·7 | 13 | 26 | 5 | 0·77 | 0·00 | 2·6 | + 0·5 | 31 | 3 | 26 | 41·3 | | | | Salisbury. |
| *a* Dungeness | 21 | 52 | 27, 28 | 34 | 24th | 47·1 | 37·9 | 42·5 | − 2·8 | 21 | 11 | 6 | 0·93 | + 0·36 | | | | 3 | 22 | 42·4 | +0·7 | 48·2 | | Tunbridge Wells |
| *p* Hastings | 178 | 53 | 27, 28 | 33 | 22nd | 46·6 | 38·4 | 42·5 | − 2·5 | 19 | 10 | 6 | 0·93 | + 0·33 | | | | 3 | 28 | | | | | Littlestone. |
| *p* Southampton | 64 | 53 | 26th | 28 | 24th | 47·0 | 37·4 | 42·2 | − 2·4 | 21 | 13 | 5 | 1·04 | + 0·33 | *2·2* | *0·0* | *26* | 3 | 28 | 41·5 | | 49·6 | | *Hastings.* |
| *a* Ventnor | 59 | 53 | 26, 28 | 34 | 22, 24 | 48·3 | 39·6 | 44·0 | − 3·2 | 24 | 7 | 5 | 1·20 | + 0·45 | *1·4* | *− 0·5* | 17 | 3 | 18 | | | | | Southampton. |
| | | | | | | | | | | | | | | | 1·7 | − 0·4 | 20 | | | | | | | Ventnor. |
| | | | | | | | | | | | | | | | *2·0* | — | *24* | 1 | 27 | 42·2 | −2·6 | 49·1 | −1·2 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 2·1 | + 0·1 | 24 | | | 43·9 | | 50·6 | | Eastbourne. |
| | | | | | | | | | | | | | | | *1·3* | — | *15* | | | 41·2 | | 46·4 | | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | *2·7* | *+ 0·6* | *31* | 2 | 27 | | | 48·5 | | *Brighton.* |
| *a Westminster* | *27* | *54* | *26th* | *33* | *24, 25* | *48·2* | *37·7* | *43·0* | − *0·4* | *25* | *12* | *4* | *0·77* | + *0·26* | *0·7* | − *0·1* | *8* | 1 | 30 | | | | | *Westminster.* |
| *a Greenwich* | *155* | *52* | *26, 28* | *34* | *22, 24, 25* | *47·0* | *37·1* | *42·1* | − *1·3* | *21* | *14* | *4* | *0·66* | + *0·15* | *1·2* | − *0·2* | *14* | 3 | 28 | | | | | *Greenwich.* |
| *a Hampstead* | *450* | *52* | *26, 28* | *29* | *24th* | *46·8* | *33·9* | *40·4* | — | *13* | *32* | *4* | *0·75* | — | *1·5* | — | *18* | 7 | 22 | | | | | *Hampstead.* |
| *a Camden Square* | *110* | *54* | *26th* | *33* | *24th* | *47·7* | *37·1* | *42·4* | — | *23* | *14* | *4* | *0·77* | — | *1·1* | — | *13* | 2 | 29 | | | | | *Camden Square.* |
| | | | | | | | | | | | | | | | *0·0* | — | *0* | 4 | 21 | 38·6 | −1·0 | 46·2 | +0·1 | *Burnley.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | 0·5 | — | 6 | | | | | | | Hoylake. |
| *p* Aspatria | 250 | 52 | 26th | 31 | 23rd | 45·3 | 37·1 | 41·2 | − 0·6 | 9 | 19 | 5 | 2·67 | + 1·69 | 0·7 | — | 9 | 1 | 28 | 41·0 | | 47·3 | | Aspatria. |
| *p* Newton Rigg | 559 | 53 | 26th | 26 | 24th | 43·7 | 34·4 | 39·1 | − 1·2 | 5 | 28 | 5 | 1·50 | + 0·64 | 0·4 | − 1·1 | 5 | 6 | 19 | 40·5 | −1·0 | 45·3 | −0·6 | Newton Rigg. |
| *p* Stonyhurst | 375 | 54 | 26th | 30 | 24th | 45·7 | 35·9 | 40·8 | − 1·2 | 10 | 24 | 5 | 1·81 | + 0·77 | 0·3 | − 1·0 | 4 | 5 | 19 | | | | | Stonyhurst. |
| *p* Blackpool | 66 | 55 | 28th | 29 | 22nd | 47·6 | 37·3 | 42·5 | − 0·8 | 23 | 13 | 6 | 1·39 | + 0·58 | 0·6 | − 0·8 | 7 | 4 | 20 | 43·4 | | 49·1 | | Blackpool. |
| *a Southport* | *37* | *55* | *25, 26* | *30* | *22nd* | *48·6* | *37·4* | *43·0* | − *0·1* | *26* | *13* | *6* | *1·10* | + *0·33* | *0·9* | − *0·5* | *11* | 4 | 20 | 37·9 | −2·1 | 44·8 | −0·9 | *Southport.* |
| *a* Liverpool (Bidston) | 188 | 56 | 26th | 32 | 22nd | 48·6 | 37·4 | 43·0 | + 0·3 | 26 | 13 | 6 | 0·71 | + 0·12 | 0·7 | — | 9 | | | | | | | *Liverpool.* |
| *a Hawarden Bridge* | *22* | *56* | *26th* | *26* | *22nd* | *49·4* | *37·1* | *43·3* | − *1·1* | *30* | *14* | *6* | *0·71* | + *0·18* | *0·0* | — | *0* | 4 | 24 | 40·1 | −0·7 | 48·6 | +0·3 | *Manchester (City).* |
| *p* Manchester (Whit. Pk.) | 125 | 54 | 26th | 32 | 24th | 47·4 | 37·6 | 42·5 | − 0·9 | 22 | 12 | 5 | 0·89 | + 0·29 | *0·2* | *− 0·3* | *3* | | | | | | | *" (Whit. Park).* |
| *b* NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 59 | 26th | 33 | 22nd | 48·9 | 40·7 | 44·8 | − 0·8 | 25 | 4 | 6 | 0·89 | + 0·19 | 0·7 | − 1·0 | 9 | | | | | | | Llandudno. |
| *a* Holyhead | 15 | 54 | 25, 26 | 31 | 22nd | 50·3 | 41·0 | 45·7 | − 0·4 | 30 | 3 | 6 | 0·92 | − 0·06 | *0·7* | — | *9* | | | | | | | *Holyhead.* |
| *Bettws-y-Coed* | *148* | *54* | *26th* | *27* | *22nd* | *46·6* | *36·9* | *41·9* | − *3·6* | *13* | *21* | *5* | *2·17* | — | *0·6* | — | *7* | | | 40·6 | −1·5 | 47·4 | +0·9 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 0·9 | — | 11 | | | | | | | Aberdovey |

* For notes see also opposite page. † At 3 ft. § The temperature on the grass refers to Hereford.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft. Mean. | Difference from average. | Earth 4 ft. Mean. | Difference from average | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | * | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 0·7 | — | 8 | | | | | | | |
| *a* Llangammarch Wells | 550 | 53 | 26th | 20 | 24th | 46·7 | 31·4 | 39·1 | - 2·4 | 13 | 41 | 5 | 1·19 | — | 0·4 | — | 5 | 4 | 16 | 40·6 | -2·5 | 48·2 | -0·7 | Llangammarch. |
| *a* Pembroke .. .. .. | 149 | 54 | 26th | 31 | 22nd | 49·6 | 40·1 | 44·9 | - 2·4 | 28 | 5 | 5 | 0·95 | + 0·05 | 1·0 | - 0·9 | 12 | * | * | * | * | * | * | Pembroke. |
| *p* Cardiff .. .. .. | 202 | 56 | 28th | 31 | 24th | 46·4 | 38·3 | 42·4 | - 1·0 | 18 | 10 | 5 | 1·20 | + 0·24 | *0·8* | — | *10* | 2 | 23 | 40·5 | -1·6 | 48·2 | -0·1 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 54 | 26th | 28 | 22nd | 47·4 | 35·4 | 41·4 | - 2·7 | 15 | 27 | 5 | 1·34 | + 0·59 | *0·5* | — | *6* | 3 | 24 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 50 | 28th | 27 | 22, 24 | 44·0 | 32·6 | 38·3 | - 4·5 | 6 | 34 | 5 | 0·63 | - 0·18 | * | * | * | * | * | 40·2 | * | 48·3 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 51 | 27th | 25 | 24th | 46·1 | 34·9 | 40·5 | - 3·2 | 11 | 28 | 4 | 1·62 | + 0·27 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *53* | *26–28* | *28* | *24th* | *48·7* | *37·0* | *42·9* | - *4·8* | *27* | *14* | *4* | *0·55* | - *0·22* | 1·0 | - 1·4 | 12 | 2 | 24 | 43·7 | * | 50·4 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 53 | 26th | 21 | 24th | 46·7 | 32·0 | 39·4 | - 4·6 | 13 | 39 | 5 | 0·63 | - 0·22 | 0·4 | - 1·3 | 5 | 5 | 17 | 41·8 | * | * | * | Cullompton. |
| *a* Portland Bill .. .. | 19 | 54 | 26, 28 | 33 | 23rd | 48·6 | 40·4 | 44·5 | - 2·3 | 24 | 4 | 5 | 0·71 | — | *1·0* | — | *12* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 54 | 28th | 27 | 24th | 48·6 | 38·6 | 43·6 | - 2·9 | 25 | 10 | 5 | 0·73 | - 0·15 | 0·5 | - 1·5 | 6 | * | * | 42·9 | * | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 54 | 25, 28 | 31 | 24th | 49·0 | 37·9 | 43·5 | - 4·1 | 28 | 11 | 5 | 0·98 | - 0·18 | 1·5 | - 0·8 | 17 | 1 | 23 | 45·3 | -0·3 | 51·4 | * | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. { *a* Malin Head .. .. | 208 | 52 | 28th | 36 | 22nd | 48·4 | 39·3 | 43·9 | - 0·6 | 25 | 8 | 7 | 1·73 | + 0·98 | *1·0* | — | *13* | * | * | * | * | * | * | *Malin Head.* |
| *a* Blacksod Point .. | 37 | 56 | 25th | 31 | 22nd | 49·3 | 39·9 | 44·6 | - 1·4 | 27 | 6 | 7 | 1·93 | + 0·67 | * | * | * | * | * | * | * | * | * | * |
| *p* Markree Castle .. | 122 | 54 | 26th | 17 | 22nd | 47·6 | 32·4 | 40·0 | - 2·9 | 16 | 38 | 6 | 2·22 | + 1·22 | 1·4 | - 0·2 | 18 | 5 | 16 | 43·4 | * | 49·5 | * | Markree Castle |
| *a* Birr Castle .. .. | 175 | 55 | 25th | 23 | 23rd | 46·6 | 32·1 | 39·4 | - 3·6 | 13 | 33 | 6 | 1·11 | + 0·36 | *0·2* | - *1·8* | *3* | * | * | * | * | * | * | *Birr Castle.* |
| *b*, East .. { *p* Armagh .. .. | 196 | 54 | 26th | 26 | 22nd | 45·7 | 34·9 | 40·3 | - 2·5 | 10 | 27 | 7 | 1·20 | + 0·50 | 1·5 | - 0·2 | 19 | 2 | 21 | 42·8 | +0·4 | 47·7 | 0·0 | Armagh. |
| *a* Donaghadee .. .. | 101 | 56 | 28th | 34 | 24th | 48·6 | 37·0 | 42·8 | - 1·5 | 27 | 14 | 4 | 0·63 | - 0·11 | * | * | * | * | * | * | * | * | * | * |
| | | | | | | | | | | | | | | | * | * | * | 3 | 25 | 43·4 | - 0·4 | 47·9 | - 0·2 | Trinity Coll. |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 1·5 | - 0·7 | 19 | 3 | 19 | * | * | * | * | Phœnix Park. |
| *a*, East .. { *p* Dublin, City .. .. | 47 | 56 | 26th | 30 | 22nd | 49·0 | 37·6 | 43·3 | - 2·0 | 28 | 12 | 6 | 0·58 | - 0·06 | * | * | * | 1 | 28 | * | * | * | * | Dublin City. |
| *a* Kilkenny .. .. | 212 | 55 | 25th | 27 | 22nd | 48·1 | 32·4 | 40·3 | - 3·0 | 17 | 38 | 6 | 0·44 | - 0·32 | * | * | * | * | * | * | * | * | * | * |
| *a* Waterford .. .. | 30 | 54 | 25th | 28 | 24th | 49·9 | 34·9 | 42·4 | - 2·3 | 33 | 20 | 4 | 0·48 | - 0·45 | * | * | * | * | * | * | * | * | * | * |
| *a Seskin, Carrick-on-Suir* | *541* | *52* | *26th* | *31* | *22, 23* | *46·1* | *36·3* | *41·2* | — | *11* | *23* | *6* | *0·82* | — | *1·4* | — | *17* | 2 | 27 | * | * | * | * | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 55 | 25th | 23 | 23rd | 46·6 | 32·1 | 39·4 | - 3·6 | 13 | 38 | 6 | 1·11 | + 0·36 | 0·2 | - 1·8 | 3 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes .. .. .. | 50 | 55 | 25th | 28 | 22nd | 49·6 | 37·3 | 43·5 | - 1·5 | 30 | 13 | 5 | 1·27 | + 0·30 | * | * | * | * | * | * | * | * | * | * |
| *b*, West .. { *a* Cahir .. .. | 199 | 53 | 25th | 26 | 24th | 47·9 | 33·7 | 40·8 | - 3·8 | 17 | 33 | 5 | 0·94 | — | * | * | * | * | * | * | * | * | * | * |
| *a* Killarney .. .. | 174 | 57 | 28th | 28 | 22, 23 | 51·1 | 37·0 | 44·1 | - 1·2 | 36 | 14 | 6 | 1·82 | + 0·39 | * | * | * | * | * | * | * | * | * | * |
| *a* Valencia .. .. | 30 | 55 | 25th | 32 | 22nd | 51·0 | 38·9 | 45·0 | - 2·4 | 34 | 9 | 6 | 1·65 | + 0·28 | 2·1 | + 0·1 | 25 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. .. | 32 | 53 | 28th | 35 | 22nd | 49·6 | 39·3 | 44·5 | - 2·2 | 29 | 8 | 6 | 0·64 | - 0·44 | 1·7 | — | 20 | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 55 | 25th | 39 | 22, 23 | 51·6 | 43·4 | 47·5 | - 2·1 | 39 | 0 | 5 | 0·56 | - 0·27 | 1·5 | - 0·9 | 17 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 55 | 28th | 36 | 22nd | 50·7 | 42·1 | 46·4 | - 1·7 | 31 | 0 | 3 | 0·32 | - 0·61 | 0·9 | - 1·5 | 10 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 54 | 27, 28 | 37 | 24, 25 | 50·0 | 41·9 | 46·0 | - 2·5 | 28 | 0 | 5 | 0·58 | - 0·47 | 0·7 | - 1·2 | 8 | 1 | 29 | 45·9 | -1·8 | 51·8 | -0·2 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 2·2 hrs. 26 %; Ramsgate, 2·3 hrs. 27 %; Rhyl, 1·0 hrs. 12 %; Salcombe, 0·6 hrs. 7 %; Tenby, 0·9 hrs. (-1·1) 11 %; Torquay, 0·8 hrs. (-1·2) 9 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Nov. 28th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | 46 | 44 | 44·9 | -3·4 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 45 | 41 | 43·0 | -2·3 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 42 | 40 | 41·2 | -3·5 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | — | — | — | — |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 47 | 43 | 45·4 | -2·4 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 52 | 50 | 50·6 | +0·7 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 56 | 48 | 50·1 | — |
| Plymouth‡ .. .. | 51 | 50 | 50·5 | -1·4 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | — | — | — | — |
| Seafield .. .. | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of WIND RECORDS from PRESSURE TUBE ANEMOGRAPHS. [1914.]

Week ending at midnight (24h.) on Saturday, November 28th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. | d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | | |
| Dyce .. .. | 75 | — | — | 28th | 1 | 46 | 121 | S. 12 | 28th 4h. | 26 | 28th 4. 5 |
| Aberdeen* .. .. | 105 | — | — | 26, 28 | 6 | 61 | 101 | S. by E. 13 | 28th 3h. | 24 | 28th 3.45 |
| Rosyth .. .. | 73 | — | — | — | — | — | — | — | — | — | — |
| **6.** SCOTLAND, W. | | | | | | | | | | | |
| Eskdalemuir .. | 50 | 28th | 2 | 25 to 28 | 28 | 48 | 90 | S. 18 | 28th 4h. | 29 | 28th 5.30 |
| Paisley (Coats Obs.) | 80 | — | — | 26, 28 | 8 | 60 | 100 | SSW. 13 | 28th 2h. | 27 | 28th 3.45 |
| **2.** ENGLAND, N.E. | | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 33 | 135 | WSW. 10 | 28th 14h. | 21 | 28th 13.30 |
| South Shields .. | 61 | — | — | — | — | 58 | 110 | W. 10 | 28th 12h. | 18 | 28th 12.15 |
| Spurn Head .. | 40 | — | — | 22, 26, 28 | 20 | 95 | 53 | SSW. 14 | 28th 9h | 20 | 28th 8.50 |
| **3.** ENGLAND, E. | | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 22, 23, 26, 28 | 45 | 48 | 75 | — 15 | 22nd 7h. | 21 | 28th 10.25 |
| Shoeburyness .. | 90 | — | — | 22, 26, 28 | 29 | 73 | 66 | SW. by S. 14 | 28th 14h. | 18 | 28th 14. 5 |
| **5.** ENGLAND, S.E. | | | | | | | | | | | |
| Dover .. .. | 40 | 28th | 1 | 22, 26, 28 | 38 | 81 | 48 | — 18 | 28th 16h. | 23 | 28th 15.30 |
| Warlingham .. | 33 | — | — | 26, 28 | 8 | 59 | 101 | — 12 | 28th 13h. | 23 | 28th 11.40 |
| Brighton .. .. | 53 | — | — | 22, 26, 28 | 15§ | 60§ | 72§ | — 13 | 22nd 16h. | 20 | 28th 12.20 |
| Kew† .. .. | 65 | — | — | — | — | 69 | 99 | ENE. 10 | 22nd 6h. | 18 | 22nd 5.50 |
| South Kensington | 92 | — | — | — | — | 33 | 135 | E. by N. 8 | 22nd 6h. | 16 | 22nd 3.25 |
| **7.** ENGLAND, N.W. | | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | 47 | 121 | S. 9 | 28th 5h. | 16 | 26th 13.15 |
| Southport .. .. | 62 | — | — | 26 to 28 | 29 | 71 | 68 | WSW. 16 | 27th 5h. | 21 | 27th 5.10 |
| Holyhead* .. .. | 40 | — | — | 25 to 28 | 38§ | 102§ | 20§ | SSW. 14 | 28th 2h. | 23 | 28th 2.15 |
| **8.** ENGLAND, S.W. | | | | | | | | | | | |
| Pendennis Castle* | 65 | 26, 28 | 17 | 22, 25 to 28 | 38 | 79 | 34 | SSW. 22 | 26th 12h. | 26 | 26th 13.15 |
| Plymouth .. .. | 86 | — | — | 26, 28 | 19 | 58 | 91 | — 17 | 26th 14h. | 21 | 26th 13.35 |
| **10.** IRELAND, S. | | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 24 to 28 | 70 | 51 | 47 | — 17 | 28th 1h. | 27 | 27th 24.25 |
| Weaver Pt. .. | 30 | — | — | 22, 25 to 28 | 22 | 79 | 67 | — 16 | 27th 24h. | 24 | 28th 2.50 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | |
| Scilly* .. .. | 19 | — | — | 22, 24, 26 to 28 | 50§ | 90§ | 23§ | W. 14 | 26th 22h. | 23 | 27th 5.20 |

* Wind Direction is taken from the Robinson Instrument.

† Until May 9th the anemograph was about ½ mile East of the Observatory with a vane 40 ft. above ground. The instrument now used is on the Observatory Building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## NOTES ON TABLES II., III. and IV.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The names of Stations shown on the left of Table II. are those of Temperature and Rainfall Stations. The Sunshine and temperature on the grass and in the ground are recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day. The rims of the gauges are 1 foot above the ground

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

## [Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**FORTY-SEVENTH WEEK**—November 22nd to November 28th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr | hr. | % | mb. |
| 0 SCOTLAND, NORTH ... | 54 | 29 | 46·1 | 35·5 | 40·8 | − 0·3 | 11 | − 4 | 26 | + 5 | 6 | + 1 | 1·84 | +0·56 | 0·9 | −0·1 | 12 | 999 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 57 | 20 | 46·1 | 33·3 | 39·7 | − 0·6 | 11 | − 3 | 33 | + 6 | 5 | 0 | 0·81 | +0·17 | 1·8 | +0·3 | 23 | 1003 |
| 2. ENGLAND, N.E. . ... | 56 | 28 | 46·5 | 35·8 | 41·2 | − 0·8 | 13 | − 5 | 25 | + 8 | 5 | + 1 | 0·58 | +0·05 | 0·9 | −0·8 | 12 | 1007 |
| 3. ENGLAND, EAST ... | 54 | 31 | 46·2 | 36·3 | 41·3 | − 0·5 | 12 | − 8 | 23 | + 3 | 5 | + 1 | 0·64 | +0·17 | 2·0 | +0·2 | 24 | 1011 |
| 4 MIDLAND COUNTIES ... | 56 | 24 | 46·7 | 34·7 | 40·7 | − 0·7 | 13 | − 5 | 29 | + 6 | 4 | 0 | 0·63 | +0·13 | 0·7 | −0·9 | 8 | 1010 |
| 5. ENGLAND, S.E. ... ... | 53 | 23 | 46·8 | 36·9 | 41·9 | − 1·7 | 13 | − 13 | 22 | + 8 | 5 | + 1 | 0·84 | +0·25 | 1·8 | 0·0 | 21 | 1011 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 54 | 27 | 47·4 | 36·0 | 41·7 | − 1·0 | 15 | − 5 | 25 | +10 | 6 | + 1 | 1·87 | +0·68 | 0·8 | −0·7 | 10 | 1005 |
| 7. ENGLAND, N.W. ... ... | 59 | 26 | 47·2 | 37·7 | 42·5 | − 0·5 | 22 | + 1 | 12 | − 1 | 6 | + 2 | 1·35 | +0·56 | 0·6 | −0·9 | 7 | 1008 |
| 8. ENGLAND, S.W. ... ... | 56 | 20 | 47·3 | 36·2 | 41·8 | − 2·8 | 15 | − 14 | 24 | +13 | 5 | 0 | 1·00 | +0·12 | 0·8 | −1·1 | 9 | 1010 |
| 9. IRELAND, NORTH ... | 56 | 17 | 47·7 | 35·9 | 41·8 | − 1·3 | 16 | − 5 | 25 | +11 | 6 | + 1 | 1·47 | +0·57 | 1·5 | −0·3 | 18 | 1004 |
| 10. IRELAND, SOUTH ... | 57 | 23 | 49·2 | 35·9 | 42·6 | − 1·9 | 30 | + 1 | 17 | + 5 | 6 | + 2 | 0·99 | +0·08 | 1·4 | −0·7 | 17 | 1009 |
| 11. ENGLISH CHANNEL ... | 55 | 36 | 50·8 | 42·5 | 46·6 | − 1·7 | 32 | − 14 | 0 | − 1 | 4 | − 1 | 0·49 | −0·30 | 1·0 | −1·2 | 12 | 1011 |

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 13 Weeks, August 30th to November 28th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 75 | 21 | * | * | * | * | 614 | + 20 | 71 | −21 | 59 | − 6 | 10·70 | −4·60 | 2·3 | −0·2 | 22 | 1013 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 76 | 14 | * | * | * | * | 643 | + 11 | 113 | − 8 | 49 | − 6 | 6·57 | −2·01 | 2·9 | −0·1 | 27 | 1014 |
| 2. ENGLAND, N.E. ... ... | 82 | 25 | * | * | * | * | 806 | + 61 | 62 | − 2 | 45 | − 4 | 5·86 | −1·58 | 3·5 | +0·2 | 32 | 1015 |
| 3. ENGLAND, EAST ... | 82 | 24 | * | * | * | * | 899 | + 51 | 59 | −16 | 46 | − 2 | 5·42 | −1·49 | 3·9 | +0·2 | 35 | 1016 |
| 4. MIDLAND COUNTIES ... | 82 | 21 | * | * | * | * | 824 | + 48 | 85 | − 7 | 40 | − 7 | 6·14 | −1·33 | 3·4 | +0·2 | 31 | 1016 |
| 5. ENGLAND, S.E. ... ... | 82 | 21 | * | * | * | * | 946 | − 4 | 58 | + 9 | 41 | − 6 | 6·83 | −1·68 | 4·5 | +0·7 | 41 | 1016 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 77 | 19 | * | * | * | * | 735 | + 27 | 70 | + 5 | 44 | −12 | 9·01 | −5·39 | 3·0 | 0·0 | 28 | 1015 |
| 7. ENGLAND, N.W. ... ... | 77 | 22 | * | * | * | * | 827 | + 32 | 50 | + 3 | 47 | − 6 | 9·02 | −1·57 | 3·5 | +0·4 | 32 | 1016 |
| 8. ENGLAND, S.W. ... ... | 80 | 16 | * | * | * | * | 918 | + 9 | 57 | +20 | 45 | − 9 | 9·06 | −2·76 | 4·0 | +0·4 | 36 | 1016 |
| 9. IRELAND, NORTH ... | 75 | 17 | * | * | * | * | 793 | + 53 | 63 | + 8 | 48 | −12 | 7·19 | −3·90 | 3·0 | 0·0 | 27 | 1014 |
| 10. IRELAND, SOUTH ... | 78 | 23 | * | * | * | * | 915 | + 60 | 52 | + 5 | 45 | − 8 | 8·81 | −2·06 | 3·4 | −0·1 | 31 | 1016 |
| 11. ENGLISH CHANNEL ... | 82 | 33 | * | * | * | * | 1173 | + 5 | 3 | + 1 | 46 | −13 | 9·57 | −0·67 | 4·4 | 0·0 | 40 | 1016 |

THE YEAR.—Aggregates, &c., for the Period of 47 Weeks, January 4th, 1914, to November 28th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 2260 | +194 | 462 | −187 | 213 | − 7 | 40·05 | −5·55 | 3·3 | 0·0 | 26 | 1010 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 14 | * | * | * | * | 2537 | +225 | 605 | −136 | 173 | −10 | 25·23 | −2·21 | 4·0 | +0·1 | 32 | 1011 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 3027 | +435 | 361 | −178 | 157 | − 8 | 20·40 | −1·86 | 4·5 | +0·2 | 36 | 1013 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 3360 | +367 | 358 | −238 | 153 | − 7 | 19·09 | −2·19 | 4·9 | +0·2 | 39 | 1015 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 3210 | +305 | 452 | −173 | 153 | − 5 | 22·08 | −1·51 | 4·3 | +0·2 | 34 | 1015 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 3465 | +219 | 298 | −132 | 148 | − 5 | 24·15 | +0·19 | 5·3 | +0·6 | 42 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 2718 | +201 | 387 | −103 | 184 | − 7 | 35·94 | −6·17 | 4·0 | 0·0 | 31 | 1012 |
| 7. ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 3043 | +286 | 277 | −156 | 171 | − 5 | 29·18 | −1·73 | 4·4 | +0·3 | 35 | 1014 |
| 8. ENGLAND, S.W. ... ... | 86 | 16 | * | * | * | * | 3293 | +205 | 249 | − 89 | 177 | + 2 | 35·96 | +2·38 | 4·8 | +0·2 | 38 | 1015 |
| 9. IRELAND, NORTH ... | 80 | 17 | * | * | * | * | 2834 | +203 | 309 | − 91 | 200 | − 7 | 31·22 | −2·78 | 3·8 | 0·0 | 30 | 1012 |
| 10. IRELAND, SOUTH ... | 81 | 23 | * | * | * | * | 3270 | +235 | 226 | − 80 | 196 | +12 | 34·94 | −0·22 | 4·2 | 0·0 | 34 | 1014 |
| 11. ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 3819 | +196 | 75 | − 36 | 171 | −16 | 29·82 | +1·56 | 5·3 | −0·3 | 43 | 1016 |

M.O., December 2, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report. They are expressed in millibars (1000 = 29·531 mb mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 189

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 48. FORTY-EIGHTH WEEK, SUNDAY, NOVEMBER 29TH, TO SATURDAY, DECEMBER 5TH, 1914.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

The general state of the weather was extremely unsettled, with frequent, and sometimes heavy rain. In many places more than an inch of rain fell within 24 hours, while at Fort William and Fort Augustus an inch was exceeded on each of the first four days of the period, and at the former station the total amount for the whole week was 8·33 in. Other parts of the Kingdom had heavy falls on various dates. At Killarney there was 2·04 in. on December 1st, at Balmoral 2·26 in. on the 2nd, at Waterford 1·47 in. on the 3rd, at Seskin 1·41 in. on the 2nd, and 1·44 in. on the 3rd, while the southern districts of England had an inch or more on November 30th, the heaviest falls being 1·32 in. at Eastbourne and 1·31 in. at Tunbridge Wells. In contrast with the remarkably heavy falls in the north and west, many of the stations on the east coast had totals below the average. Brief thunderstorms occurred mostly on December 1st in the western and northern districts, and on the 3rd, 4th or 5th further south and east. The temperature was above the normal, the excess being at least 6° in England East, South-East and Midland Counties. On November 30th the thermometer reached a maximum of 60° at Llandudno and Hawarden Bridge. The lowest of the minima were mostly recorded on December 5th; at Shaftesbury the reading was as low as 28°. Except in the Midlands and the east and south-east of England, the duration of sunshine was below the normal; in several parts of the west and north of Scotland there was no sunshine at all.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Unusual | Unusual | Unusual | Very unusual | Unusual | Unusual | Unusual | Unusual | Moderate | Unusual |
| | Rainfall ... | Very heavy | Very heavy | Heavy | Moderate | Very heavy | Heavy | Very heavy | Very heavy | Very heavy | Very heavy | Very heavy | Heavy |
| | Sunshine ... | Nought | Scanty | Moderate | Moderate | Moderate | Moderate | Very scanty | Scanty | Moderate | Scanty | Scanty | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 1 week from Nov. 29th, 1914. | Warmth ... | 0*0 | 0*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 0*0 | 1*0 |
| | Rainfall ... | 1*0 | 1*0 | 1*0 | 0*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 | 1*0 |
| | Sunshine ... | 0*1 | 0*1 | 0*0 | 0*0 | 0*0 | 0*0 | 0*1 | 0*1 | 0*0 | 0*1 | 0*1 | 0*1 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6*3 | 7*2 | 7*2 | 9*3 | 7*4 | 7*4 | 4*2 | 8*3 | 7*4 | 7*2 | 7*4 | 6*4 |
| | Rainfall ... | 5*2 | 5*4 | 1*7 | 3*9 | 2*8 | 3*5 | 5*4 | 5*6 | 3*5 | 5*5 | 4*6 | 5*7 |
| | Sunshine ... | 3*1 | 2*2 | 1*2 | 3*4 | 2*6 | 4*4 | 2*6 | 2*0 | 3*5 | 1*9 | 1*7 | 2*5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3*1 | 6*0 | 8*1 | 8*2 | 6*1 | 7*1 | 5*3 | 5*1 | 8*1 | 6*3 | 6*2 | 9*1 |
| | Rainfall ... | 5*2 | 5*5 | 4*6 | 4*5 | 4*5 | 5*4 | 6*4 | 4*5 | 7*6 | 5*5 | 4*6 | 6*5 |
| | Sunshine ... | 4*4 | 4*2 | 3*2 | 6*5 | 4*5 | 4*1 | 4*2 | 4*2 | 4*2 | 4*4 | 4*4 | 4*4 |
| SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. | Warmth ... | 5*0 | 6*3 | 6*1 | 6*1 | 5*2 | 5*2 | 7*2 | 5*1 | 5*2 | 6*1 | 4*2 | 5*3 |
| | Rainfall ... | 2*4 | 2*4 | 3*5 | 3*5 | 3*4 | 2*4 | 2*7 | 4*3 | 5*3 | 2*7 | 4*2 | 7*3 |
| | Sunshine ... | 6*2 | 4*3 | 4*5 | 5*3 | 6*5 | 5*2 | 3*4 | 6*4 | 3*5 | 5*3 | 4*4 | 1*6 |
| AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks. | Warmth ... | 4*3 | 4*2 | 6*3 | 5*2 | 5*2 | 4*4 | 4*4 | 6*3 | 4*3 | 7*3 | 4*2 | 4*3 |
| | Rainfall ... | 3*8 | 4*8 | 3*6 | 2*5 | 2*5 | 3*5 | 3*7 | 5*7 | 3*6 | 3*8 | 4*7 | 3*3 |
| | Sunshine ... | 3*4 | 4*5 | 3*5 | 3*3 | 4*5 | 6*2 | 2*4 | 6*2 | 4*5 | 2*4 | 3*4 | 3*5 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905 An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**
**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**
**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(3394—19.) Wt. 229—611. 450. 12/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| **0.** SCOTLAND, N. | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | ° | ° | | | | | |
| *a*, Islands .. *p Baltasound* .. .. | *31* | *48* | *29, 2* | *35* | *29th* | *45·6* | *38·0* | *42·0* | — | *10* | *11* | 7 | *3·56* | — | *0·1* | — | 2 | * | * | 41·4 | * | * | * | *Baltasound.* |
| *a Lerwick* .. .. .. | 54 | 51 | 29th | 37 | 29th | 47·1 | 39·0 | 43·2 | + 1·3 | 21 | 8 | 7 | 3·31 | — | 0·0 | - 0·9 | 0 | * | * | * | * | * | * | Deerness. |
| *a Stornoway* .. .. | 51 | 52 | 29th | 34 | 4, 5 | 45·4 | 38·7 | 41·2 | - 0·6 | 10 | 22 | 7 | 2·95 | + 1·60 | 0·0 | - 1·2 | 0 | * | * | * | * | * | * | Stornoway. |
| *a Castlebay, Barra Isd.* .. | *37* | *52* | *29th* | *34* | *5th* | *47·6* | *40·1* | *44·0* | *- 0·8* | *22* | *5* | *6* | *1·91* | — | *0·0* | — | *0* | * | * | * | * | * | * | *Castlebay.* |
| *a Wick* .. .. .. | 81 | 50 | 29th | 34 | 29, 1, 5 | 45·9 | 35·9 | 41·1 | + 0·1 | 11 | 25 | 7 | 1·08 | + 0·43 | * | * | * | * | * | * | * | * | * | * | |
| *b*, Mainland. *p Strathpeffer* .. | 200 | 51 | 30th | 30 | 4th | 45·4 | 33·9 | 39·9 | + 0·1 | 10 | 32 | 7 | 3·52 | + 2·83 | 0·1 | - 0·9 | 1 | * | * | * | * | * | * | Strathpeffer. |
| *p Glencarron* .. .. | 500 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | |
| *p Fort Augustus* .. .. | 68 | 53 | 30th | 32 | 4th | 46·1 | 36·0 | 41·3 | + 0·7 | 11 | 26 | 7 | 5·97 | + 4·90 | 0·0 | - 0·3 | 0 | * | * | * | * | * | * | Fort Augustus. |
| *p Fort William* .. .. | 171 | 56 | 30th | 33 | 3, 4 | 47·4 | 35·9 | 41·9 | - 0·1 | 15 | 27 | 7 | 8·33 | + 6·33 | * | * | * | * | * | * | * | * | * | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Gordon Castle* .. .. | 101 | 56 | 30th | 32 | 5th | 47·9 | 35·6 | 42·0 | + 1·1 | 17 | 18 | 6 | 1·13 | + 0·58 | 1·0 | — | 14 | 2 | 28 | 40·4 | +1·4 | 43·8 | +0·7 | Crathes S. |
| *a Nairn* .. .. .. | 82 | 53 | 29th | 32 | 5th | 44·9 | 34·6 | 40·0 | 0·0 | 8 | 30 | 7 | 1·69 | + 1·22 | *1·0* | — | *14* | * | * | * | * | * | * | *Gordon Castle.* |
| *a Aberdeen* .. .. | 46 | 54 | 29th | 35 | 4, 5 | 48·1 | 37·9 | 43·2 | + 2·2 | 26 | 11 | 5 | 1·50 | + 0·83 | 0·1 | — | 1 | * | * | * | * | * | * | Nairn. |
| *a Balmoral* .. .. | 930 | 46 | 29, 2 | 27 | 4th | 43·3 | 32·3 | 38·0 | + 0·8 | 4 | 36 | 7 | 4·63 | + 3·81 | 1·4 | - 0·2 | 20 | * | * | * | * | 44·8 | +1·0 | Aberdeen. |
| *p Crieff* .. .. .. | 432 | 54 | 30th | 31 | 4th | 46·1 | 35·0 | 40·8 | + 0·7 | 11 | 29 | 6 | 3·88 | + 2·86 | * | * | * | 6 | 24 | * | * | * | * | Balmoral. |
| *a Leith* .. .. .. | 18 | 55 | 30th | 36 | 4, 5 | 48·7 | 40·9 | 45·0 | + 2·9 | 26 | 3 | 6 | 1·55 | + 1·10 | 0·3 | — | 4 | * | * | * | * | * | * | Balruddery. |
| *a West Linton* .. .. | 769 | 53 | 30th | 32 | 4th | 46·1 | 36·0 | 41·3 | + 2·3 | 11 | 26 | 6 | 2·07 | — | *0·2* | — | *3* | 5 | 27 | * | * | * | * | *West Linton.* |
| *p Marchmont* .. .. | 498 | 53 | 30th | 33 | 3rd | 48·0 | 35·3 | 41·9 | + 2·3 | 17 | 29 | 6 | 2·01 | + 1·36 | 0·6 | - 0·8 | 8 | 0 | 31 | * | * | * | * | Marchmont. |
| *a Edinburgh* .. .. | *441* | *54* | *29, 30, 2* | *33* | *4, 5* | *48·7* | *39·1* | *44·1* | — | *27* | *8* | *6* | *1·94* | — | 0·3 | — | 4 | 2 | 28 | * | * | * | * | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a Poltalloch* .. .. | 132 | 53 | 29th | 32 | 4th | 45·7 | 38·0 | 42·0 | - 0·1 | 10 | 11 | 7 | 4·15 | + 2·90 | * | * | * | * | * | * | * | * | * | |
| *p Glasgow Observatory* | 189 | 54 | 30th | 34 | 4th | 47·9 | 38·7 | 43·5 | + 1·8 | 24 | 9 | 6 | 4·16 | + 3·27 | 0·0 | - 0·6 | 0 | * | * | * | * | * | * | Glasgow. |
| *p Rothesay* .. .. | 90 | 55 | 30th | 35 | 3, 4 | 48·3 | 38·4 | 43·6 | + 1·0 | 26 | 10 | 6 | 3·75 | + 2·63 | *0·2* | — | *3* | 0 | 32 | 43·4 | * | 46·2 | +1·3 | *Rothesay.* |
| *a Kilmarnock* .. .. | 90 | 54 | 29th | 34 | 4th | 47·4 | 38·7 | 43·2 | + 1·5 | 22 | 9 | 6 | 3·18 | — | *0·1* | — | *1* | * | * | * | * | * | * | *Kilmarnock.* |
| *a Colmonell* .. .. | 170 | 52 | 30th | 36 | 4th | 48·6 | 41·4 | 45·1 | + 3·2 | 24 | 2 | 7 | 3·00 | + 1·82 | * | * | * | 0 | 34 | * | * | * | * | |
| *p Dumfries* .. .. | 160 | 54 | 30th | 36 | 5th | 49·0 | 39·7 | 44·5 | + 3·1 | 27 | 6 | 7 | 2·64 | + 1·74 | *0·6* | — | *8* | 0 | 34 | 42·9 | * | 45·5 | * | *Dumfries.* |
| *p Cally, Gatehouse* .. | 120 | 52 | 29, 30 | 36 | 5th | 47·9 | 40·9 | 44·5 | + 3·2 | 22 | 3 | 7 | 2·98 | + 1·75 | * | * | * | * | * | * | * | * | * | |
| *b.* I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Douglas* .. .. .. | 277 | 54 | 30th | 38 | 4, 5 | 49·9 | 40·7 | 45·5 | + 1·4 | 30 | 4 | 6 | 1·38 | + 0·28 | 0·7 | - 1·0 | 9 | 0 | 37 | * | * | * | * | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a Alnwick Castle* .. | 219 | 58 | 30th | 34 | 4th | 50·0 | 40·0 | 45·2 | + 4·0 | 31 | 6 | 6 | 1·25 | + 0·54 | 1·5 | — | 20 | 1 | 30 | 41·0 | +3·2 | 44·3 | +1·9 | Cockle Park. |
| *a Tynemouth* .. .. | 71 | 58 | 30th | 38 | 4th | 49·7 | 41·3 | 45·7 | + 3·6 | 29 | 2 | 5 | 0·63 | + 0·17 | — | — | — | * | * | * | * | * | * | *Tynemouth.* |
| *p Durham* .. .. .. | 336 | 57 | 30th | 35 | 4th | 49·6 | 38·0 | 44·0 | + 3·9 | 31 | 11 | 7 | 1·31 | + 0·82 | 1·6 | + 0·1 | 21 | 1 | 29 | * | * | * | * | Durham. |
| *a*, North .. *p Rounton* .. .. | 249 | 58 | 30th | 36 | 5th | 50·4 | 39·0 | 44·9 | + 4·5 | 33 | 8 | 7 | 1·25 | + 0·83 | * | * | * | 0 | 31 | 42·8 | * | * | * | Rounton. |
| *a West Witton* .. .. | *605* | *55* | *30th* | *36* | *4, 5* | *48·9* | *39·6* | *44·4* | — | *27* | *7* | *7* | *4·22* | — | | | | 0 | 33 | 42·6 | * | 44·4 | * | *West Witton.* |
| *p Scarborough* .. .. | 100 | 59 | 30th | 37 | 5th | 50·0 | 41·4 | 45·9 | + 3·5 | 30 | 2 | 5 | 0·82 | + 0·28 | 1·5 | — | 20 | * | * | * | * | 47·6† | * | Scarborough. |
| *p York* .. .. .. | 56 | 59 | 30th | 37 | 5th | 52·1 | 40·9 | 46 7 | + 5·2 | 38 | 3 | 7 | 1·12 | + 0·67 | 0·6 | - 0·4 | 8 | * | * | 44·3 | +2·4 | 47·0 | +0·5 | York. |
| | | | | | | | | | | | | | | | *0·2* | | *3* | 0 | 34 | 42·6 | +2·2 | 47·4 | +0·4 | *Hull.* |
| *a Spurn Head* .. .. | 26 | 55 | 30th | 39 | 5th | 49·3 | 42·6 | 46·1 | + 3·2 | 29 | 0 | 3 | 0·28 | - 0·13 | *1·8* | — | *23* | * | * | * | * | * | * | *Spurn Head.* |
| *b*, South .. *a Lincoln* .. .. | 58 | 59 | 30th | 38 | 5th | 52·1 | 42·6 | 47·5 | + 6·5 | 39 | 0 | 4 | 0·49 | + 0·07 | * | * | * | 0 | 34 | 43·0 | +3·0 | 46·1 | -0·1 | Lincoln. |
| *a Fulbeck* .. .. | 180 | 58 | 30th | 38 | 5th | 51·0 | 42·1 | 46·7 | + 6·5 | 33 | 0 | 5 | 0·57 | + 0·14 | 1·8 | — | 23 | 0 | 32 | 44·5 | +3·5 | 47·9 | +0·6 | Rauceby. |
| | | | | | | | | | | | | | | | 1·8 | — | 23 | * | * | * | * | * | * | Skegness. |
| | | | | | | | | | | | | | | | *2·0* | — | *25* | 0 | 33 | 43·9 | +1·4 | 47·4 | +0·3 | *Lowestoft.* |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | 2·4 | — | 30 | * | * | * | * | * | * | Cromer. |
| *p Cromer* .. .. .. | 196 | 58 | 30, 1 | 36 | 5th | 53·0 | 43·0 | 48·2 | + 7·6 | 43 | 0 | 5 | 0·32 | — | | | | | | | | | | |
| *p Little Massingham* .. | 280 | 55 | 30th | 33 | 5th | 50·1 | 40·7 | 45·6 | + 5·1 | 31 | 4 | 4 | 0·33 | - 0·22 | 2·0 | + 0·5 | 25 | 0 | 33 | * | * | * | * | Lit. Massingham. |
| *a*, North .. *a Yarmouth* .. .. | 17 | 55 | 30th | 35 | 5th | 50·6 | 41·7 | 46·3 | + 4·2 | 31 | 1 | 4 | 0·33 | - 0·17 | 2·4 | — | 30 | * | * | 43·6 | +2·5 | 47·1 | +0·2 | Yarmouth. |
| *a Norwich* .. .. | 93 | 56 | 30th | 38 | 5th | 50·7 | 44·4 | 47·7 | + 6·2 | 40 | 0 | 5 | 0 35 | — | * | * | * | 0 | 34 | * | * | * | * | *Norwich.* |
| *a Geldeston* .. .. | 37 | 56 | 30th | 37 | 5th | 51·7 | 43·4 | 47·7 | + 5·5 | 40 | 0 | 4 | 0·39 | - 0·11 | 2·2 | + 0·4 | 28 | * | * | * | * | * | * | Geldeston. |
| *p Cambridge* .. .. | 41 | 57 | 30th | 34 | 5th | 52·9 | 41·9 | 47·6 | + 6·2 | 40 | 0 | 4 | 0·42 | + 0·02 | 2·2 | + 0·6 | 28 | 1 | 27 | 44·7 | +3·2 | 47·8 | +0·7 | Cambridge. |
| *p Felixstowe* .. .. | *10* | *52* | *29, 1, 2* | *39* | *5th* | *49·9* | *44·0* | *47·1* | *+ 4·3* | *36* | *0* | *4* | *0·57* | — | *2·1* | — | *26* | * | * | * | * | * | * | *Felixstowe.* |
| *a Clacton-on-Sea* .. | 54 | 52 | 2nd | 39 | 5th | 49·3 | 44·0 | 46·8 | + 4·2 | 34 | 0 | 5 | 0·53 | — | 2·0 | — | 25 | 0 | 36 | 45·3 | +0·3 | 48·7 | +0·3 | Clacton. |
| *b*, South .. *a Rothamsted* .. .. | 424 | 56 | 30th | 34 | 5th | 51·3 | 41·9 | 46·8 | + 5·6 | 34 | 0 | 6 | 1·03 | + 0·43 | 1·8 | + 0·2 | 22 | * | * | * | * | * | * | Rothamsted. |
| *a Shoeburyness* .. .. | *13* | *54* | *30th* | *38* | *5th* | *50·9* | *44·6* | *47·9* | *+ 4·8* | *41* | *0* | *4* | *0·31* | *- 0·08* | *2·4* | — | *30* | 1 | 30 | 45·7 | +2·8 | * | * | *Southend.* |
| *p Tottenham* .. .. | 51 | 56 | 29, 2 | 37 | 5th | 51·7 | 45·1 | 48·5 | + 6·0 | 46 | 0 | 4 | 0·91 | — | 1·4 | — | 17 | 1 | 30 | * | * | 49·1 | +0·9 | Tottenham. |
| | | | | | | | | | | | | | | | *1·0* | — | *13* | 0 | 35 | 42·8 | +3·2 | 45·9 | +0·7 | *Huddersfield.* |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a Harrogate* .. .. | 479 | 57 | 30th | 36 | 5th | 49·3 | 40·7 | 45·2 | + 4·8 | 28 | 4 | 7 | 2·28 | + 1·68 | 1·1 | — | 14 | 0 | 33 | 43·5 | +2·6 | 45·0 | +0·6 | Harrogate. |
| *a Bawtry* .. .. | 65 | 59 | 30th | 39 | 2, 5 | 51·9 | 42·1 | 47·2 | + 6·6 | 36 | 0 | 6 | 0·96 | + 0·52 | 1·7 | + 0·4 | 22 | 0 | 31 | 43·5 | * | 45·5 | * | Worksop. |
| *p Buxton* .. .. | *987* | *53* | *30th* | *35* | *2, 5* | *49·1* | *38·6* | *44·1* | *+ 5·1* | *29* | *10* | *7* | *2·32* | *+ 1·82* | *0·8* | — | *10* | 0 | 32 | 41·1 | +1·7 | 44·9 | -1·0 | *Buxton.* |
| *a*, East .. *a Nottingham* .. .. | 82 | 59 | 30th | 38 | 5th | 52·0 | 42·7 | 47·5 | + 6·3 | 39 | 0 | 6 | 0·82 | + 0·37 | 1·7 | — | 22 | 0 | 34 | 43·5 | +3·9 | 44·9 | +0·1 | Nottingham. |
| *p Birmingham, Edgbsn.* | 535 | 55 | 30th | 36 | 5th | 49·7 | 40·0 | 45·0 | + 4·0 | 29 | 6 | 5 | 1·52 | + 0·98 | 1·7 | — | 21 | 0 | 34 | 45·0 | +3·1 | 45·0 | +0·6 | Birmingham. |
| *a Raunds* .. .. .. | 203 | 57 | 30th | 35 | 5th | 51·7 | 41·0 | 46·6 | + 5·7 | 36 | 3 | 5 | 0·57 | — | *2·6* | — | *32* | 1 | 30 | 44·8 | * | 50·1 | * | *Raunds.* |
| *p Oxford* .. .. .. | 208 | 57 | 30th | 36 | 5th | 51·7 | 42·6 | 47·3 | + 5·6 | 37 | 0 | 6 | 1·19 | + 0·67 | 2·0 | + 0·4 | 25 | 0 | 31 | * | * | * | * | Oxford. |
| | | | | | | | | | | | | | | | 1·6 | — | 20 | 0 | 35 | 43·5 | +2·8 | 46·7 | +0·3 | Sheffield. |
| *a Cheadle* .. .. .. | 646 | 55 | 30th | 35 | 5th | 48·1 | 39·0 | 43·7 | + 3·5 | 25 | 8 | 7 | 1·82 | + 1·17 | * | * | * | 0 | 32 | * | * | * | * | Cheadle. |
| *p Shrewsbury* .. .. | 191 | 58 | 30th | 36 | 5th | 52·0 | 41·0 | 46·7 | + 4·0 | 37 | 3 | 6 | 1·60 | — | * | * | * | 0 | 32 | * | * | * | * | Shrewsbury. |
| *b*, West .. *a Hereford§* .. .. | 291 | 58 | 1st | 38 | 5th | 52·1 | 42·7 | 47·6 | + 6·0 | 39 | 0 | 7 | 1·96 | + 1·41 | *1·7* | — | *21* | 0 | 32 | 43·8 | * | 46·5 | * | *Malvern.§* |
| *a Cirencester* .. .. | 446 | 56 | 30th | 40 | 5th | 50·9 | 44·8 | 48·0 | + 7·6 | 42 | 0 | 6 | 2·08 | + 1·44 | 1·3 | - 0·3 | 16 | 0 | 33 | 44·8 | * | 47·0 | * | Cirencester. |
| *a Bath* .. .. .. | 66 | 58 | 30th | 37 | 5th | 52·9 | 43·0 | 48·2 | + 5·7 | 43 | 0 | 7 | 1·89 | + 1·20 | 1·8 | — | 22 | * | * | 45·4 | +1·4 | 47·8 | -1·2 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Kew* .. .. .. | 18 | 55 | 30, 2, 3 | 36 | 5th | 53·1 | 43·6 | 48·5 | + 6·1 | 46 | 0 | 5 | 1·17 | + 0·68 | 2·0 | + 0·6 | 25 | 0 | 32 | 44·8 | +1·9 | 49·1 | +2·6 | Canterbury. |
| *a Marlborough* .. .. | 424 | 56 | 30th | 33 | 5th | 51·4 | 40·7 | 46·3 | + 5·5 | 36 | 4 | 7 | 1·87 | + 1·17 | 1·6 | + 0·3 | 20 | 0 | 32 | 45·3 | +3·4 | 47·8 | +0·1 | Kew. |
| *a Margate* .. .. | 53 | 55 | 30th | 40 | 5th | 52·1 | 45·9 | 49·1 | + 5·6 | 50 | 0 | 5 | 0·63 | + 0·13 | 1·7 | 0·0 | 21 | 0 | 32 | 45·0 | * | 48·0 | * | Marlborough. |
| *a Wisley, Surrey* .. | 150 | 55 | 30th | 35 | 5th | 51·1 | 43·7 | 47·6 | + 4·7 | 39 | 0 | 6 | 1·27 | — | 2·0 | — | 35 | 0 | 35 | 46·8 | +2·5 | 48·5 | +1·5 | Margate. |
| | | | | | | | | | | | | | | | 1·9 | — | 25 | 1 | 29 | 45·5 | +3·4 | 47·8 | -0·5 | Wisley. |
| *p Salisbury (Wilton)* .. | 180 | 55 | 30th | 38 | 5th | 51·7 | 43·0 | 47·5 | + 5·7 | 39 | 0 | 6 | 2·53 | + 1·74 | 1·7 | — | 23 | 0 | 36 | 46·8 | +3·7 | 49·0 | +0·3 | Worthing. |
| *2 Tunbridge Wells* .. | 354 | 55 | 2nd | 39 | 5th | 51·6 | 44·6 | 48·2 | + 6·1 | 43 | 0 | 7 | 2·33 | + 1·59 | 1·7 | - 0·1 | 21 | 0 | 34 | 46·9 | +5·4 | 48·1 | * | Salisbury. |
| *a Dungeness* .. .. | 21 | 54 | 1st | 46 | 29, 3, 4 | 51·4 | 47·4 | 49·5 | + 5·2 | 53 | 0 | 7 | 1·35 | + 0·80 | * | * | * | 0 | 34 | 45·1 | * | * | * | Tunbridge Wells |
| *p Hastings* .. .. | 178 | 54 | 1, 3 | 35 | 5th | 52·0 | 44·7 | 48·5 | + 4·5 | 46 | 0 | 6 | 1·70 | + 1·01 | *1·9* | *- 0·2* | *23* | 1 | 26 | 46·5 | * | 48·7 | * | Littlestone. |
| *p Southampton* .. .. | 64 | 55 | 30, 2, 3 | 35 | 5th | 53·9 | 43·7 | 48·5 | + 4·8 | 46 | 0 | 6 | 1·53 | + 0·83 | *1·9* | *+ 0·1* | *24* | 0 | 31 | * | * | * | * | *Hastings.* |
| *a Ventnor* .. .. | 59 | 55 | 2nd | 39 | 5th | 52·6 | 47·0 | 49·9 | + 3·5 | 55 | 0 | 6 | 1·33 | + 0·59 | 1·8 | - 0·1 | 22 | * | * | * | * | * | * | Southampton. |
| | | | | | | | | | | | | | | | *2·1* | — | *26* | 0 | 38 | 47·3 | +2·5 | 49·6 | +0·3 | Ventnor. |
| | | | | | | | | | | | | | | | 1·6 | - 0·3 | 19 | * | * | 48·0 | * | 50·1 | * | *Portsmouth.* |
| | | | | | | | | | | | | | | | *2·0* | — | *24* | * | * | 46·1 | * | 47·1 | * | Eastbourne. |
| LONDON. | | | | | | | | | | | | | | | *1·8* | *-0·1* | *22* | 0 | 38 | * | * | 48·3 | * | *Bournemouth.* |
| *a Westminster* .. .. | *27* | *57* | *30, 2* | *37* | *5th* | *52·7* | *45·4* | *49·2* | *+ 6·6* | *50* | *0* | *5* | *0·96* | *+ 0·46* | *1·9* | *+ 1·3* | *24* | 0 | 33 | * | * | * | * | *Brighton.* |
| *a Greenwich* .. .. | *155* | *56* | *30th* | *36* | *5th* | *51·7* | *44·9* | *48·4* | *+ 5·8* | *45* | *0* | *4* | *0·97* | *+ 0·47* | *2·3* | *+ 1·0* | *28* | 0 | 31 | * | * | * | * | *Westminster.* |
| *a Hampstead* .. .. | *450* | *54* | *30, 2* | *32* | *5th* | *50·1* | *39·9* | *45·2* | — | *31* | *6* | *5* | *1·27* | — | *1·8* | — | *22* | 1 | 27 | * | * | * | * | *Greenwich.* |
| *a Camden Square* .. | *110* | *56* | *30, 2* | *37* | *5th* | *52·1* | *44·4* | *48·4* | — | *45* | *0* | *5* | *1·10* | — | *1·5* | — | *19* | 0 | 33 | * | * | * | * | *Hampstead.* |
| | | | | | | | | | | | | | | | *1·5* | — | *19* | 0 | 33 | * | * | * | * | *Camden Square.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | *0·3* | — | *4* | 0 | 35 | 42·6 | +3·2 | 45·5 | +0·6 | *Burnley.* |
| *p Aspatria* .. .. .. | 250 | 53 | 30th | 35 | 4th | 48·6 | 39·9 | 44·4 | +3·2 | 26 | 6 | 7 | 2·16 | + 1·23 | 1·1 | — | 14 | * | * | * | * | * | * | Hoylake. |
| *p Newton Rigg* .. .. | 559 | 58 | 3rd | 34 | 4th | 51·4 | 37·7 | 44·8 | + 5·0 | 38 | 12 | 7 | 5·44 | + 4·58 | 0·1 | — | 1 | 0 | 37 | 44·0 | * | 46·9 | * | Aspatria. |
| *p Stonyhurst* .. .. | 375 | 57 | 30th | 36 | 5th | 49·6 | 41·0 | 45·5 | + 4·0 | 29 | 3 | 7 | 2·77 | + 1·76 | 0·3 | - 1·1 | 4 | 3 | 25 | 41·7 | +1·2 | 44·9 | +0·3 | Newton Rigg. |
| *p Blackpool* .. .. | 66 | 56 | 30th | 39 | 5th | 51·3 | 42·3 | 47·0 | + 4·4 | 35 | 0 | 6 | 1·62 | + 0·89 | 0·6 | - 0·6 | 8 | 0 | 31 | * | * | * | * | Stonyhurst. |
| *a Southport* .. .. | *37* | *57* | *30th* | *40* | *2, 4* | *51·4* | *43·3* | *47·5* | *+ 5·1* | *39* | *0* | *7* | *1·94* | *+ 1·23* | 0·9 | - 0·3 | 12 | 0 | 37 | 45·3 | * | 48·4 | * | Blackpool. |
| *a Liverpool (Bidston)* .. | 188 | 58 | 30th | 35 | 5th | 51·4 | 42·0 | 46·9 | + 4·6 | 34 | 0 | 7 | 1·58 | + 1·03 | *1·1* | — | *14* | 0 | 37 | 43·1 | +3·6 | 45·1 | +0·7 | *Southport.* |
| *a Hawarden Bridge* .. | *22* | *60* | *30th* | *41* | *5th* | *52·9* | *44·3* | *48·8* | *+ 5·0* | *48* | *0* | *7* | *2·01* | *+ 1·51* | *1·2* | — | *15* | * | * | * | * | * | * | *Liverpool.* |
| *p Manchester (Whit. Pk.)* | 125 | 58 | 30th | 40 | 5th | 51·3 | 42·1 | 46·9 | + 4·4 | 34 | 0 | 7 | 1·46 | + 0·85 | *0·6* | — | *8* | 0 | 37 | 43·9 | +3·6 | 47·2 | +0·3 | *Manchester (City).* |
| | | | | | | | | | | | | | | | *1·0* | *+ 0·6* | *13* | * | * | * | * | * | * | *„ (Whit. Park).* |
| *b* NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Llandudno* .. .. | 71 | 60 | 30th | 40 | 1st | 53·1 | 42·6 | 48·1 | + 5·2 | 43 | 0 | 6 | 2·47 | + 1·80 | 0·5 | - 1·0 | 6 | * | * | * | * | * | * | Llandudno. |
| *u Holyhead* .. .. | 15 | 56 | 30th | 40 | 5th | 51 6 | 44·7 | 48·3 | + 2·8 | 44 | 0 | 6 | 2·64 | + 1·69 | *0·8* | — | *10* | * | * | * | * | * | * | *Holyhead.* |
| *Bettws-y-Coed* .. .. | *148* | *58* | *30th* | *38* | *1, 5* | *50·6* | *41·6* | *46·3* | *+ 1·7* | *32* | *1* | *7* | *5·36* | — | *0·3* | — | *4* | * | * | 45·6 | +3·8 | 47·3 | +0·8 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 0·9 | — | 11 | * | * | * | * | * | * | Aberdovey |

* For notes see also opposite page. † At 3 ft. § The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Average | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft. Mean. | Earth 1 ft. Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | * | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 0·6 | — | 8 | * | * | * | * | * | * | Aberystwyth. |
| *a* Llangammarch Wells | 550 | 56 | 30th | 36 | 5th | 50·3 | 40·9 | 45·8 | + 5·0 | 31 | 3 | 7 | 4·07 | — | 0·9 | — | 11 | 0 | 32 | 45·0 | +2·3 | 47·5 | -0·5 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 54 | 29, 30 | 35 | 5th | 51·9 | 43·6 | 47·9 | + 1·3 | 41 | 0 | 6 | 2·01 | + 1·11 | 1·1 | - 0·7 | 14 | * | * | * | * | * | * | Pembroke. |
| *p* Cardiff .. .. .. | 202 | 56 | 30th | 36 | 5th | 51·4 | 43·6 | 47·7 | + 5·2 | 40 | 0 | 7 | 2·63 | + 1·64 | *1·4* | — | 17 | 0 | 33 | 45·0 | +2·9 | 47·6 | +0·4 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 56 | 29th | 36 | 5th | 51·0 | 43·1 | 47·2 | + 3·7 | 36 | 0 | 6 | 2·36 | + 1·59 | *1·9* | — | *23* | 0 | 32 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 54 | 4th | 28 | 5th | 50·1 | 39·0 | 44·8 | + 2·6 | 32 | 8 | 7 | 1·24 | + 0·44 | * | * | * | * | * | 44·7 | * | 47·7 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 55 | 30, 1 | 35 | 5th | 51·7 | 41·4 | 46·8 | + 3·6 | 36 | 2 | 7 | 3·94 | + 2·59 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *56* | *30th* | *38* | *5th* | *51·9* | *45·6* | *48·9* | + *1·9* | *48* | *0* | 7 | *2·63* | + *1·82* | 2·1 | 0·0 | 25 | 0 | 35 | 47·8 | * | 49·8 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 56 | 30th | 36 | 5th | 52·0 | 42·7 | 47·5 | + 4·2 | 39 | 0 | 7 | 1·59 | + 0·74 | 2·5 | + 1·0 | 30 | 0 | 31 | 46·3 | * | * | * | Cullompton. |
| *a* Portland Bill .. .. | 19 | 55 | 30, 2 | 40 | 5th | 52·6 | 47·7 | 50·3 | + 4·3 | 58 | 0 | 7 | 1·69 | — | *1·4* | — | *17* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 55 | 30, 2, 3 | 37 | 5th | 53·1 | 44·1 | 48·8 | + 2·8 | 48 | 0 | 6 | 1·71 | + 0·81 | 1·6 | - 0·3 | 19 | * | * | 47·5 | +2·0 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 56 | 30th | 38 | 5th | 52·3 | 44·4 | 48·5 | + 1·4 | 46 | 0 | 7 | 2·54 | + 1·34 | 2·0 | - 0·1 | 24 | 0 | 34 | 48·6 | * | 50·5 | * | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. { *a* Malin Head .. .. | 208 | 52 | 29th | 34 | 4th | 46·0 | 39·1 | 42·7 | - 1·4 | 17 | 8 | 7 | 2·91 | + 2·16 | *0·7* | — | *10* | * | * | * | * | * | * | *Malin Head.* |
| *a* Blacksod Point .. | 37 | 53 | 29th | 35 | 5th | 48·7 | 40·7 | 44·9 | - 0·5 | 26 | 4 | 7 | 2·28 | + 1·00 | * | * | * | * | * | * | * | * | * | * |
| *p* Markree Castle .. | 122 | 55 | 29, 30 | 32 | 3rd | 48·1 | 35·7 | 42·2 | - 0·2 | 28 | 18 | 7 | 3·34 | + 2·34 | 0·5 | - 1·0 | 7 | 2 | 30 | 43·8 | * | 48·3 | * | Markree Castle |
| *a* Birr Castle .. .. | 175 | 56 | 29th | 35 | 2, 5 | 49·6 | 39·4 | 44·7 | + 2·2 | 30 | 7 | 7 | 1·97 | + 1·23 | *1·1* | - *0·7* | *14* | * | * | * | * | * | * | *Birr Castle.* |
| *b*, East .. { *p* Armagh .. .. | 196 | 55 | 29th | 33 | 5th | 47·9 | 36·1 | 42·2 | 0·0 | 26 | 17 | 7 | 2·12 | + 1·43 | 0·9 | - 0·6 | 12 | 0 | 32 | 43·9 | +2·2 | 47·1 | +0·5 | Armagh. |
| *a* Donaghadee .. .. | 101 | 55 | 29th | 36 | *4, 5* | 48·3 | 39·4 | 44·0 | + 0·4 | 25 | 7 | 7 | 1·69 | + 0·97 | * | * | * | * | * | * | * | * | * | * |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | | | | 0 | 35 | 44·7 | +1·8 | 47·2 | -0·9 | Trinity Coll. |
| *p* Dublin, City .. .. | 47 | 57 | 30th | 35 | 5th | 50·1 | 39·9 | 45·2 | + 0·5 | 31 | 6 | 6 | 1·54 | + 0·95 | *1·4* | - 0·6 | 18 | 0 | 33 | * | * | * | * | Phœnix Park. |
| *a*, East .. { *a* Kilkenny .. .. | 212 | 56 | 29th | 34 | 2, 5 | 50·0 | 38·7 | 44·6 | + 1·7 | 32 | 9 | 7 | 2·85 | + 2·10 | * | * | * | 0 | 33 | * | * | * | * | Dublin City. |
| *a* Waterford .. .. | 30 | 55 | 29th | 35 | 5th | 51·7 | 39·7 | 45·9 | + 1·7 | 37 | 6 | 6 | 2·83 | + 1·89 | * | * | * | * | * | * | * | * | * | * |
| *a Seskin, Carrick-on-Suir* | *541* | *54* | *29, 30* | *33* | *5th* | *48·1* | *37·7* | *43·1* | — | *26* | *12* | 7 | *3·94* | — | *1·8* | — | *23* | 0 | 31 | * | * | * | * | *Seskin.* |
| *b*, West .. { *a* Birr Castle .. .. | 175 | 56 | 29th | 35 | 2, 5 | 49·6 | 39·4 | 44·7 | + 2·2 | 30 | 7 | 7 | 1·97 | + 1·23 | 1·1 | - 0·7 | 14 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes .. .. .. | 50 | 55 | 29th | 37 | 1, 2, 5 | 48·4 | 39·0 | 43·9 | - 0·9 | 26 | 8 | 7 | 2·84 | + 1·85 | * | * | * | * | * | * | * | * | * | * |
| *a* Cahir .. .. .. | 198 | 54 | 29th | 32 | 2, 5 | 48·4 | 37·3 | 43·1 | - 1·1 | 27 | 13 | 7 | 3·45 | — | * | * | * | * | * | * | * | * | * | * |
| *a* Killarney .. .. | 174 | 57 | 29th | 35 | 5th | 49·8 | 41·2 | 45·7 | + 0·7 | 29 | 2 | 7 | 5·26 | + 3·79 | * | * | * | * | * | * | * | * | * | * |
| *a* Valencia .. .. | 30 | 55 | 29th | 34 | 5th | 50·4 | 41·3 | 46·0 | - 0·9 | 31 | 2 | 7 | 3·35 | + 1·97 | 1·2 | - 0·6 | 15 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. .. | 32 | 54 | 29, 30 | 37 | 5th | 51·0 | 43·1 | 47·2 | + 1·0 | 36 | 0 | 7 | 3·19 | + 2·09 | 1·9 | — | 24 | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 55 | 29, 30 | 41 | 5th | 52·6 | 45·4 | 49·1 | 0·0 | 50 | 0 | 7 | 1·58 | + 0·72 | 1·6 | - 0·5 | 19 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 56 | 30th | 40 | 5th | 53·6 | 47·3 | 50·6 | + 3·2 | 60. | 0 | 5 | 1·27 | + 0·35 | 1·2 | - 1·1 | 14 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 55 | 30, 2 | 39 | 5th | 52·9 | 46·1 | 49·6 | + 1·9 | 53 | 0 | 6 | 2·32 | + 1·30 | 1·3 | - 0·4 | 16 | 0 | 32 | 48·8 | +1·5 | 51·1 | -0·1 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 2·0 hrs. 24 %; Ramsgate, 1·6 hrs. 20 %; Rhyl, 0·9 hrs. 11 %; Salcombe, 2·1 hrs. 25 %; Tenby, 1·4 hrs. (−0·4) 17 %; Torquay, 2·3 hrs. (+0·4) 28 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Dec. 5th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | 45 | 45 | 45·0 | -2·4 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 46 | 42 | 43·5 | -1·3 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 42 | 40 | 41·0 | -2·8 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | — | — | — | — |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 50 | 47 | 48·7 | +1·4 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 52 | 50 | 50·7 | +1·3 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 53 | 50 | 52·2 | — |
| Plymouth‡ .. .. | 51 | 50 | 50·7 | -0·4 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 51 | 47 | 49·1 | +3·3 |
| Seafield .. .. | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, December 5th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | 1 to 3, 5 | 20 | 80 | 68 | SW. 12 | 3rd 10h. | 26 5th 19 . 40 |
| Aberdeen* .. .. | 105 | 5th | 2 | 1 to 3, 5 | 39 | 77 | 50 | WNW 18 | 5th 18h. | 30 5th 17 . 30 |
| Rosyth .. .. | 73 | — | — | — | — | — | — | — | — | — — -- |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | 30, 2, 3 | 19 | 29 to 5 | 83 | 49 | 17 | SW. by S. 21 | 3rd 19h. | 33 3rd 19 . 20 |
| Paisley (Coats Obs.) | 80 | — | — | 29, 30, 2, 3 | 30 | 83 | 55 | SW. by S. 15 | 3rd 1h. | 31 3rd 1 . 30 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | 2 to 5 | 16 | 108 | 44 | WSW. 13 | 3rd 14h. | 30 3rd 20 . 45 |
| South Shields .. | 61 | 2nd | 1 | 30, 2 to 5 | 46 | 84 | 37 | S. by W. 17 | 2nd 20h. | 29 2nd 19 . 55 |
| Spurn Head .. | 40 | 4th | 3 | 29 to 5 | 92 | 66 | 7 | S. 18 | 4th 15h. | 26 4th 23 . 35 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | 2, 4 | 11 | 29 to 5 | 64 | 90 | 3 | — 22 | 4th 16h. | 31 4th 16 . 30 |
| Shoeburyness .. | 90 | 2, 4 | 10 | 29, 30, 2 to 5 | 60 | 96 | 2 | S. by W. 22 | 4th 15h. | 28 4th 14 . 55 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Benson .. .. | 84 | 2, 4 | 3§ | 29 to 5 | 48§ | 97§ | 9§ | S. 18 | 2nd 20h. | 27 4th 13 . 45 |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | 30, 1, 3, 4 | 32 | 29 to 5 | 58 | 75 | 3 | — 21 | 1st 1h. | 31 30th 21 . 20 |
| Warlingham .. | 33 | — | — | 29, 30, 2 to 4 | 55 | 102 | 11 | — 16 | 4th 11h. | 31 4th 10 . 25 |
| Brighton .. .. | 53 | 4th | 1§ | 30, 2 to 5 | 59§ | 61§ | 10§ | — 18 | 4th 13h. | 28 4th 13 . 30 |
| Kew† .. .. | 65 | — | — | 30, 2, 4 | 24 | 123 | 21 | SSW. 13 | 4th 14h. | 25 4th 14 . 25 |
| South Kensington | 92 | — | — | — | — | 75 | 93 | SW. 10 | 2nd 22h. | 19 2nd 22 . 40 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | 3 to 5 | 21§ | 113§ | 31§ | W. 16 | 4th 22h. | 26 4th 22 . 10 |
| Southport .. .. | 62 | 29, 3 to 5 | 36 | 29 to 5 | 70 | 56 | 6 | WSW. 28 | 4th 22h. | 39 4th 21 . 50 |
| Holyhead* .. | 40 | 2 to 5 | 37 | 29 to 5 | 115 | 15 | 1 | WSW. 25 | 4th 20h. | 38 4th 20 . 5 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle* | 65 | 29 to 5 | 77 | 29 to 5 | 77 | 9 | 5 | SSW. 28 | 4th 9h. | 40 4th 9 . 25 |
| Plymouth .. .. | 88 | 29, 30, 2 to 4 | 26 | 29 to 5 | 68 | 63 | 11 | — 24 | 2nd 17h. | 35 4th 10 . 15 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | 2 to 4 | 23 | 29 to 5 | 100 | 44 | 1 | — 28 | 4th 14h. | 41 4th 13 . 40 |
| Weaver Pt. .. | 30 | 2 to 4 | 16 | 29 to 4 | 69 | 79 | 4 | — 21 | 3rd 13h. | 31 3rd 13 . 25 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly* .. .. | 19 | 2 to 4 | 16§ | 29 to 5 | 105 § | 37§ | 3§ | WSW. 20 | 4th 14h. | 39 4th 20 . 30 |

## NOTES ON TABLES II. and III.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day. The rims of the gauges are 1 foot above the ground.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

## NOTES ON TABLE IV.

All the records were obtained from instruments of the Dines' Pressure Tube type with the exception of those from Carnforth which were taken from an anemobiograph.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

* Wind Direction at these stations is taken from the Robinson Instrument.

† Until May 9th the anemograph was about ½ mile East of the Observatory with a vane 40 ft. above ground. The instrument now used is on the Observatory Building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

## [Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**FORTY-EIGHTH WEEK**—November 29th to December 5th, 1914.

| DISTRICTS, (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr | hr. | % | mb. |
| 0 SCOTLAND, NORTH ... | 56 | 30 | 46·2 | 36·2 | 41·4 | + 1·1 | 12 | 0 | 25 | 0 | 7 | + 1 | 4·19 | +2·78 | 0·0 | −0·9 | 0 | 982 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 56 | 27 | 46·6 | 36·0 | 41·5 | + 2·2 | 13 | + 2 | 26 | − 5 | 6 | + 3 | 2·31 | +1·62 | 0·6 | −0·5 | 9 | 985 |
| 2. ENGLAND, N.E. . ... | 59 | 34 | 50·5 | 40·9 | 45·9 | + 4·8 | 32 | + 18 | 3 | −18 | 5 | 0 | 0·86 | +0·37 | 1·5 | 0·0 | 19 | 996 |
| 3. ENGLAND, EAST ... | 58 | 33 | 51·3 | 42·9 | 47·2 | + 6·5 | 36 | + 21 | 0 | −25 | 5 | + 2 | 0·51 | +0·01 | 2·1 | +0·5 | 26 | 1006 |
| 4 MIDLAND COUNTIES ... | 59 | 35 | 51·1 | 41·8 | 46·6 | + 6·2 | 33 | + 18 | 1 | −25 | 6 | + 2 | 1·52 | +0·99 | 1·6 | +0·2 | 20 | 1003 |
| 5. ENGLAND, S.E. ... ... | 56 | 33 | 52·0 | 44·4 | 48·4 | + 6·0 | 45 | + 24 | 0 | −18 | 6 | + 3 | 1·57 | +0·93 | 1·8 | +0·2 | 22 | 1008 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 55 | 32 | 48·1 | 39·6 | 44·0 | + 1·8 | 24 | + 7 | 7 | −10 | 7 | + 3 | 3·16 | +1·91 | 0·4 | −0·9 | 5 | 988 |
| 7. ENGLAND, N.W. ... ... | 60 | 34 | 51·0 | 41·5 | 46·5 | + 4·2 | 34 | + 16 | 1 | −14 | 7 | + 3 | 2·52 | +1·66 | 0·6 | −0·7 | 8 | 995 |
| 8. ENGLAND, S.W. ... ... | 56 | 28 | 51·6 | 43·1 | 47·5 | + 3·8 | 39 | + 14 | 0 | −14 | 7 | + 3 | 2·38 | +1·38 | 1·5 | −0·2 | 19 | 1003 |
| 9. IRELAND, NORTH ... | 56 | 32 | 48·1 | 38·4 | 43·5 | + 1·2 | 26 | + 8 | 10 | − 6 | 7 | + 2 | 2·39 | +1·52 | 0·7 | −0·8 | 9 | 987 |
| 10. IRELAND, SOUTH ... | 57 | 32 | 49·9 | 40·0 | 45·2 | + 1·4 | 31 | + 5 | 6 | − 7 | 7 | + 2 | 3·03 | +2·11 | 1·4 | −0·3 | 17 | 995 |
| 11. ENGLISH CHANNEL ... | 56 | 39 | 53·0 | 46·3 | 49·8 | + 2·5 | 55 | + 15 | 0 | − 2 | 6 | + 1 | 1·72 | +0·82 | 1·4 | −0·6 | 16 | 1008 |

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 1 Week, November 29th to December 5th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 56 | 30 | * | * | * | * | 12 | 0 | 25 | 0 | 7 | + 1 | 4·19 | +2·78 | 0·0 | −0·9 | 0 | 982 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 56 | 27 | * | * | * | * | 13 | + 2 | 26 | − 5 | 6 | + 3 | 2·31 | +1·62 | 0·6 | −0·5 | 9 | 985 |
| 2. ENGLAND, N.E. ... ... | 59 | 34 | * | * | * | * | 32 | + 18 | 3 | −18 | 5 | 0 | 0·86 | +0·37 | 1·5 | 0·0 | 19 | 996 |
| 3. ENGLAND, EAST ... | 58 | 33 | * | * | * | * | 36 | + 21 | 0 | −25 | 5 | + 2 | 0·51 | +0·01 | 2·1 | +0·5 | 26 | 1006 |
| 4. MIDLAND COUNTIES ... | 59 | 35 | * | * | * | * | 33 | + 18 | 1 | −25 | 6 | + 2 | 1·52 | +0·99 | 1·6 | +0·2 | 20 | 1003 |
| 5. ENGLAND, S.E. ... ... | 56 | 33 | * | * | * | * | 45 | + 24 | 0 | −18 | 6 | + 3 | 1·57 | +0·93 | 1·8 | +0·2 | 22 | 1008 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 55 | 32 | * | * | * | * | 24 | + 7 | 7 | −10 | 7 | + 3 | 3·16 | +1·91 | 0·4 | −0·9 | 5 | 988 |
| 7. ENGLAND, N.W. ... ... | 60 | 34 | * | * | * | * | 34 | + 16 | 1 | −14 | 7 | + 3 | 2·52 | +1·66 | 0·6 | −0·7 | 8 | 995 |
| 8. ENGLAND, S.W. ... ... | 56 | 28 | * | * | * | * | 39 | + 14 | 0 | −14 | 7 | + 3 | 2·38 | +1·38 | 1·5 | −0·2 | 19 | 1003 |
| 9. IRELAND, NORTH ... | 56 | 32 | * | * | * | * | 26 | + 8 | 10 | − 6 | 7 | + 2 | 2·39 | +1·52 | 0·7 | −0·8 | 9 | 987 |
| 10. IRELAND, SOUTH ... | 57 | 32 | * | * | * | * | 31 | + 5 | 6 | − 7 | 7 | + 2 | 3·03 | +2·11 | 1·4 | −0·3 | 17 | 995 |
| 11. ENGLISH CHANNEL ... | 56 | 39 | * | * | * | * | 55 | + 15 | 0 | − 2 | 6 | + 1 | 1·72 | +0·82 | 1·4 | −0·6 | 16 | 1008 |

THE YEAR.—Aggregates, &c., for the Period of 48 Weeks, January 4th, 1914, to December 5th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 2272 | +194 | 487 | −187 | 220 | − 6 | 44·14 | −2·87 | 3·2 | −0·1 | 26 | 1010 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 14 | * | * | * | * | 2550 | +227 | 631 | −141 | 179 | − 7 | 27·54 | −0·59 | 4·0 | +0·1 | 32 | 1011 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 3059 | +453 | 364 | −196 | 162 | − 8 | 21·26 | −1·49 | 4·4 | +0·2 | 35 | 1013 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 3396 | +388 | 358 | −263 | 158 | − 5 | 19·60 | −2·18 | 4·9 | +0·3 | 39 | 1015 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 3243 | +323 | 453 | −198 | 159 | − 3 | 23·60 | −0·52 | 4·3 | +0·2 | 34 | 1015 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 3510 | +243 | 298 | −150 | 154 | − 2 | 25·72 | +1·12 | 5·3 | +0·7 | 42 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 2742 | +208 | 394 | −113 | 191 | − 4 | 39·10 | −4·26 | 3·9 | −0·1 | 31 | 1011 |
| 7. ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 3077 | +302 | 273 | −170 | 178 | − 2 | 31·70 | −0·07 | 4·4 | +0·4 | 35 | 1013 |
| 8. ENGLAND, S.W. ... ... | 86 | 16 | * | * | * | * | 3332 | +219 | 249 | −103 | 184 | + 5 | 38·34 | +3·76 | 4·7 | +0·2 | 38 | 1015 |
| 9. IRELAND, NORTH ... | 80 | 17 | * | * | * | * | 2860 | +211 | 319 | − 97 | 207 | − 5 | 33·61 | −1·26 | 3·7 | 0·0 | 30 | 1011 |
| 10. IRELAND, SOUTH ... | 81 | 23 | * | * | * | * | 3301 | +240 | 232 | − 87 | 203 | +14 | 37·97 | +1·89 | 4·2 | 0·0 | 33 | 1013 |
| 11. ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 3874 | +211 | 75 | − 38 | 177 | −15 | 31·54 | +2·38 | 5·2 | −0·3 | 42 | 1015 |

M.O., December 9, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 193

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) } No. 49. FORTY-NINTH WEEK, SUNDAY, DECEMBER 6TH, TO SATURDAY, DECEMBER 12TH, 1914. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

The chief feature in the weather of the week was the heavy rainfall over the southern and south-western districts of England, where 1·6 in. occurred locally at Wokingham on the 7th and between 1 in. and 2 in. over a very large area on the 9th. Among the heaviest falls on the latter date were 1·5 in. at Brighton, 1·6 in. at Southampton, 1·7 in. at Tunbridge Wells and Shanklin, 1·8 in. at Wisley, 2·5 in. at Sandown (I. of W.) and Ventnor, and 2·2 in. at Westbourne and Warlingham. At the last mentioned station the total fall for the week was as much as 4·25 in. Several places in the north and north-west of the Kingdom experienced heavy rain early or late in the period. At Fort William on the 6th and 7th the respective falls were 1·2 in. and 1·7 in.; at Marchmont there was 1·2 in. on the 12th, and at Dublin 1·2 in. on the 11th. Thunder and lightning occurred in some parts of Ireland and the north-west and north of Britain on the 6th or 7th, and thunder at Fulbeck on the 8th. Temperature was above the average except in Ireland North and Scotland West and North, but frost was experienced at the beginning of the week, and in some places late in the period also. Very little bright sunshine was recorded. At Glasgow there was none, and at several other stations the mean daily value did not amount to more than a few minutes.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Moderate | Unusual | Moderate | Unusual | Moderate | Moderate | Moderate | Moderate | Moderate | Moderate |
| | Rainfall ... | Heavy | Heavy | Heavy | Very heavy | Heavy | Very heavy | Moderate | Moderate | Heavy | Heavy | Heavy | Very heavy |
| | Sunshine ... | Scanty | Moderate | Moderate | Scanty | Scanty | Scanty | Scanty | Scanty | Scanty | Moderate | Moderate | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 2 weeks from Nov. 29th, 1914. | Warmth ... | 0 * 0 | 0 * 0 | 1 * 0 | 2 * 0 | 1 * 0 | 2 * 0 | 1 * 0 | 1 * 0 | 1 * 0 | 1 * 0 | 0 * 0 | 1 * 0 |
| | Rainfall ... | 2 * 0 | 2 * 0 | 2 * 0 | 1 * 0 | 2 * 0 | 2 * 0 | 1 * 0 | 1 * 0 | 2 * 0 | 2 * 0 | 2 * 0 | 2 * 0 |
| | Sunshine ... | 0 * 2 | 0 * 1 | 0 * 0 | 0 * 1 | 0 * 1 | 0 * 1 | 0 * 2 | 0 * 2 | 0 * 1 | 0 * 1 | 0 * 1 | 0 * 2 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6 * 3 | 7 * 2 | 7 * 2 | 9 * 3 | 7 * 4 | 7 * 4 | 4 * 2 | 8 * 3 | 7 * 4 | 7 * 2 | 7 * 4 | 6 * 4 |
| | Rainfall ... | 5 * 2 | 5 * 4 | 1 * 7 | 3 * 9 | 2 * 8 | 3 * 5 | 5 * 4 | 5 * 6 | 3 * 5 | 5 * 5 | 4 * 6 | 5 * 7 |
| | Sunshine ... | 3 * 1 | 2 * 2 | 1 * 2 | 3 * 4 | 2 * 6 | 4 * 4 | 2 * 6 | 2 * 0 | 3 * 5 | 1 * 9 | 1 * 7 | 2 * 5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3 * 1 | 6 * 0 | 8 * 1 | 8 * 2 | 6 * 1 | 7 * 1 | 5 * 3 | 5 * 1 | 8 * 1 | 6 * 3 | 6 * 2 | 9 * 1 |
| | Rainfall ... | 5 * 2 | 5 * 5 | 4 * 6 | 4 * 5 | 4 * 5 | 5 * 4 | 6 * 4 | 4 * 5 | 7 * 6 | 5 * 5 | 4 * 6 | 6 * 5 |
| | Sunshine ... | 4 * 4 | 4 * 2 | 3 * 2 | 6 * 5 | 4 * 5 | 4 * 1 | 4 * 2 | 4 * 2 | 4 * 2 | 4 * 4 | 4 * 4 | 4 * 4 |
| SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. | Warmth ... | 5 * 0 | 6 * 3 | 6 * 1 | 6 * 1 | 5 * 2 | 5 * 2 | 7 * 2 | 5 * 1 | 5 * 2 | 6 * 1 | 4 * 2 | 5 * 3 |
| | Rainfall ... | 2 * 4 | 2 * 4 | 3 * 5 | 3 * 5 | 3 * 4 | 2 * 4 | 2 * 7 | 4 * 3 | 5 * 3 | 2 * 7 | 4 * 2 | 7 * 3 |
| | Sunshine ... | 6 * 2 | 4 * 3 | 4 * 5 | 5 * 3 | 6 * 5 | 5 * 2 | 3 * 4 | 6 * 4 | 3 * 5 | 5 * 3 | 4 * 4 | 1 * 6 |
| AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks. | Warmth ... | 4 * 3 | 4 * 2 | 6 * 3 | 5 * 2 | 5 * 2 | 4 * 4 | 4 * 4 | 6 * 3 | 4 * 3 | 7 * 3 | 4 * 2 | 4 * 3 |
| | Rainfall ... | 3 * 8 | 4 * 8 | 3 * 6 | 2 * 5 | 2 * 5 | 3 * 5 | 3 * 7 | 5 * 7 | 3 * 6 | 3 * 8 | 4 * 7 | 3 * 3 |
| | Sunshine ... | 3 * 4 | 4 * 5 | 3 * 5 | 3 * 3 | 4 * 5 | 6 * 2 | 2 * 4 | 6 * 2 | 4 * 5 | 2 * 4 | 3 * 4 | 3 * 5 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905 An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**
**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**
**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(3489—19.) Wt. 229—611. 450. 12/14. D & S. G. 17/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | *42* | *6th* | *31* | *10th* | *39·6* | *36·1* | *37·9* | — | *0* | *29* | *4* | *1·66* | — | *1·1* | — | *19* | 39·2 | | | | | | *Baltasound.* |
| *a*, Islands.. *a* Lerwick | 54 | 45 | 8th | 31 | 10th | 41·4 | 35·7 | 38·7 | - 2·6 | 0 | 23 | 5 | 1·26 | — | 0·2 | - 0·6 | 3 | | | | | | | Deerness. |
| *a* Stornoway | 51 | 44 | 7th | 32 | 7th | 42·4 | 36·1 | 39·4 | - 1·7 | 1 | 22 | 4 | 1·27 | - 0·10 | 0·4 | - 0·6 | 6 | | | | | | | Stornoway. |
| *a Castlebay, Barra Isd.* | *37* | *49* | *7th* | *37* | *6,7* | *46·3* | *39·4* | *43·0* | *- 1·1* | *18* | *7* | *5* | *1·40* | — | *0·8* | — | *12* | | | | | | | *Castlebay.* |
| *a* Wick | 81 | 45 | 7, 8 | 30 | 7th | 43·1 | 35·1 | 39·3 | - 0·9 | 3 | 26 | 6 | 1·39 | + 0·73 | * | * | * | | | | | | | |
| *b*, Mainland. *p* Strathpeffer | 200 | 46 | 8th | 29 | 6th | 41·0 | 32·7 | 37·0 | - 1·7 | 0 | 35 | 5 | 1·25 | + 0·54 | 0·1 | - 0·9 | 1 | | | | | | | Strathpeffer. |
| *p* Glencarron | 500 | | | | | | | | | | | | | | * | * | | | | | | | | |
| *p* Fort Augustus | 68 | 45 | 8th | 28 | 6th | 42·6 | 34·3 | 39·6 | - 0·1 | 2 | 21 | 4 | 2·05 | + 0·35 | 0·4 | + 0·1 | 6 | | | | | | | Fort Augustus. |
| *p* Fort William | 171 | 45 | 12th | 31 | 6th | 43·0 | 36 6 | 39·9 | - 1·5 | 3 | 20 | 5 | 3·84 | + 1·74 | * | * | * | | | | | | | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Gordon Castle | 101 | 47 | 8th | 29 | 6, 12 | 42·0 | 32·6 | 37·5 | - 2·4 | 0 | 32 | 5 | 0·92 | + 0·36 | 1·0 | — | 15 | 2 | 28 | 38·3 | -0·6 | 42·6 | +0·5 | Crathes S. |
| *a* Nairn | 82 | 46 | 8th | 28 | 7th | 40·9 | 33·0 | 37·1 | - 2·0 | 0 | 34 | 5 | 0·51 | + 0·03 | *0·7* | — | *10* | * | * | * | * | * | * | *Gordon Castle.* |
| *a* Aberdeen | 46 | 47 | 8th | 33 | 7th | 42·9 | 36·7 | 39·9 | - 0·1 | 3 | 20 | 4 | 0·83 | + 0·16 | 0·8 | — | 12 | * | * | * | * | * | * | Nairn. |
| *a* Balmoral | 930 | 48 | 8th | 24 | 6th | 44·4 | 30·9 | 37·9 | + 1·7 | 7 | 42 | 6 | 1·91 | + 1·11 | 1·1 | - 0·3 | 16 | * | * | * | * | 44·0 | +0·9 | Aberdeen. |
| *p* Crieff | 432 | 45 | 9th | 28 | 6th | 41·4 | 33·3 | 37·5 | - 1·7 | 0 | 32 | 7 | 1 86 | + 0·88 | * | * | * | 5 | 20 | * | * | * | * | Balmoral. |
| *a* Leith | 18 | 48 | 7, 8 | 29 | 7th | 45·9 | 37·6 | 41·9 | + 0·8 | 11 | 19 | 4 | 0·76 | + 0·32 | * | * | * | * | * | * | * | * | * | Balruddery. |
| *a* West Linton | 769 | 44 | 7th | 23 | 6th | 40·2 | 31·6 | 36·4 | - 1·7 | 0 | 39 | 5 | 0·85 | — | *0·2* | — | *3* | 4 | 15 | * | * | * | * | *West Linton.* |
| *p* Marchmont | 498 | 47 | 9th | 28 | 6th | 43·6 | 35·1 | 39·5 | + 0·9 | 4 | 26 | 6 | 1·36 | + 1·24 | 1·0 | - 0·2 | 14 | 2 | 22 | * | * | * | * | Marchmont. |
| *a Edinburgh* | *441* | *46* | *7, 8* | *33* | *6th* | *43·0* | *37·1* | *40·2* | — | *3* | *19* | *5* | *0·85* | — | *0·8* | — | *11* | 3 | 21 | * | * | * | * | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Poltalloch | 132 | 46 | 9th | 30 | 6th | 43·6 | 35·6 | 39·8 | - 1·4 | 4 | 25 | 5 | 1·81 | + 0·56 | * | * | * | * | * | * | * | * | * | |
| *p* Glasgow Observatory | 180 | 46 | 7, 8 | 34 | 6, 11, 12 | 43·7 | 37·0 | 40·5 | - 0·3 | 5 | 20 | 5 | 0·99 | + 0·10 | 0·0 | - 0·5 | 0 | 2 | 23 | * | * | * | * | Glasgow. |
| *p* Rothesay | 90 | 47 | 7th | 34 | 12th | 44·4 | 39·6 | 42·1 | + 0·4 | 11 | 7 | 4 | 1·06 | - 0·06 | *0·3* | — | *4* | 0 | 32 | 41·3 | * | 45·6 | +1·3 | *Rothesay.* |
| *a* Kilmarnock | 90 | 47 | 6, 7 | 29 | 6th | 44·9 | 35·6 | 40·4 | + 0·9 | 8 | 25 | 5 | 0·29 | — | *0·1* | — | *1* | * | * | * | * | * | * | *Kilmarnock.* |
| *a* Colmonell | 170 | 49 | 7th | 30 | 10th | 44·6 | 36·6 | 40·8 | - 0·8 | 7 | 22 | 3 | 1·00 | - 0·18 | * | * | * | 3 | 24 | * | * | * | * | |
| *p* Dumfries | 160 | 49 | 7th | 30 | 6th | 45·1 | 36·4 | 40·9 | + 0·5 | 9 | 23 | 4 | 1·19 | + 0·29 | *0·7* | — | *10* | 3 | 27 | 40·0 | * | 44·7 | * | *Dumfries.* |
| *p* Cally, Gatehouse | 120 | 49 | 7, 9 | 30 | 6, 10 | 45·6 | 35·0 | 40·5 | + 0·1 | 10 | 28 | 4 | 0·90 | - 0·33 | * | * | * | * | * | * | * | * | * | |
| *b*. I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Douglas | 277 | 50 | 6th | 32 | 6th | 47·0 | 39·6 | 43·5 | + 0·2 | 21 | 7 | 4 | 0·72 | - 0·38 | 1·4 | - 0·1 | 19 | 1 | 29 | * | * | * | * | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Alnwick Castle | 210 | 49 | 7, 8 | 32 | 6th | 45·7 | 36·9 | 41·5 | + 1·1 | 10 | 22 | 4 | 1·13 | + 0·46 | 1·5 | — | 21 | 4 | 19 | 37·6 | -0·5 | 43·5 | +1·6 | Cockle Park. |
| *a* Tynemouth | 71 | 49 | 8th | 33 | 6, 7 | 46·4 | 38·7 | 42·7 | + 1·6 | 13 | 9 | 5 | 0·98 | + 0·54 | * | * | * | * | * | * | * | * | * | *Tynemouth.* |
| *p* Durham | 336 | 48 | 7th | 32 | 9, 10 | 43·1 | 35·1 | 39·6 | + 0·4 | 5 | 27 | 7 | 1·79 | + 1·34 | 1·0 | - 0·4 | 14 | 3 | 24 | * | * | * | * | Durham. |
| *a*, North *p* Rounton | 249 | 47 | 7th | 28 | 11th | 43·7 | 33·4 | 38·8 | - 0·4 | 5 | 33 | 7 | 0·76 | + 0·35 | * | * | * | 4 | 24 | 39·7 | * | * | * | Rounton. |
| *a West Witton* | *605* | *46* | *6, 7* | *32* | *10, 11* | *42·9* | *35·0* | *39·1* | — | *3* | *26* | *7* | *2·52* | — | * | * | * | 3 | 27 | 39·6 | * | 43·4 | * | *West Witton.* |
| *p* Scarborough | 100 | 47 | 7, 8 | 35 | 6th | 44·4 | 38·1 | 41·4 | - 0·1 | 7 | 16 | 5 | 0·57 | + 0·04 | 0·8 | — | 11 | * | * | * | * | 46·6† | * | Scarborough. |
| *p* York | 56 | 48 | 7, 8 | 31 | 10, 11 | 44·9 | 34·7 | 40·0 | - 0·5 | 8 | 29 | 6 | 0·62 | + 0·18 | 0·5 | - 0·4 | 7 | * | * | 41·9 | +0·5 | 46·8 | +1·3 | York. |
| | | | | | | | | | | | | | | | *0·1* | — | *1* | 4 | 21 | 39·1 | -1·1 | 47·0 | +1·0 | *Hull.* |
| *a* Spurn Head | 26 | 48 | 6-8 | 36 | 7th | 46·3 | 38·7 | 42·7 | + 0·9 | 19 | 9 | 5 | 0·85 | + 0·44 | *0·9* | — | *12* | * | * | * | * | * | * | *Spurn Head.* |
| *b*, South *a* Lincoln | 58 | 52 | 6th | 30 | 11th | 46·6 | 35·4 | 41·2 | + 1·2 | 13 | 28 | 4 | 0·49 | + 0·06 | * | * | * | * | * | 39·9 | -0·3 | 46·1 | +0·8 | Lincoln. |
| *a* Fulbeck | 180 | 53 | 6th | 31 | 11th | 45·9 | 35·7 | 41·0 | + 1·9 | 11 | 26 | 6 | 0·77 | + 0·34 | 0·6 | — | 8 | 2 | 24 | 41·6 | +0·3 | 47·3 | +0·9 | Rauceby. |
| | | | | | | | | | | | | | | | 1·1 | — | 15 | * | * | * | * | * | * | Skegness. |
| | | | | | | | | | | | | | | | *0·8* | — | *10* | 2 | 28 | 42·0 | -0·2 | 46·8 | +0·5 | *Lowestoft.* |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Cromer | 196 | 54 | 7th | 34 | 6th | 46·9 | 40·1 | 43·6 | + 4·1 | 19 | 5 | 7 | 1·33 | — | 1·1 | — | 15 | * | * | * | * | * | * | Cromer. |
| *p* Little Massingham | 280 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | Lit. Massingham. |
| *a*, North *a* Yarmouth | 17 | 55 | 6th | 31 | 6, 7 | 48·7 | 35·6 | 42·4 | + 1·5 | 30 | 18 | 6 | 1·61 | + 1·11 | 1·0 | — | 13 | * | * | 41·9 | +0·6 | 47·9 | +1·5 | Yarmouth. |
| *a* Norwich | 93 | 55 | 6th | 29 | 11th | 47·9 | 35·8 | 42·1 | + 1·9 | 27 | 17 | 6 | 2·10 | — | *0·7* | — | *9* | 3 | 22 | 41·1 | * | * | * | *Norwich.* |
| *a* Geldeston | 37 | 56 | 6th | 31 | 11th | 49·4 | 37·1 | 43·5 | + 2·5 | 31 | 14 | 6 | 1 78 | + 1·29 | 0·8 | - 0·9 | 10 | * | * | * | * | * | * | Geldeston. |
| *p* Cambridge | 41 | 52 | 8th | 27 | 11th | 47·1 | 37·7 | 42·6 | + 2·2 | 22 | 12 | 6 | 1·65 | + 1·26 | 0·8 | - 0·6 | 10 | 3 | 22 | 42·3 | +0·8 | 47·4 | +1·1 | Cambridge. |
| *a Felixstowe* | *10* | *53* | *6th* | *33* | *11th* | *48·4* | *39·3* | *44·0* | *+ 2·4* | *25* | *8* | *6* | *2·33* | — | *0·9* | — | *12* | * | * | * | * | * | * | *Felixstowe.* |
| *a* Clacton-on-Sea | 54 | 52 | 6th | 34 | 6, 7 | 47·9 | 39·4 | 43·8 | + 2·3 | 24 | 7 | 6 | 2·01 | — | 0·7 | — | 9 | 2 | 27 | 43·7 | -0·3 | 48·4 | +0·3 | Clacton. |
| *b*, South *a* Rothamsted | 424 | 56 | 6th | 30 | 6th | 48·0 | 35·6 | 42·1 | + 1·9 | 28 | 18 | 6 | 2·49 | + 1·92 | 0·5 | - 1·0 | 6 | * | * | * | * | * | * | Rothamsted. |
| *a Shoeburyness* | *13* | *54* | *6th* | *34* | *11th* | *48·6* | *39·3* | *44 1* | *+ 2 1* | *26* | *8* | *7* | *1·72* | *+ 1·36* | *0·6* | — | *8* | 3 | 25 | 44·4 | +1·2 | * | * | *Southend.* |
| *p* Tottenham | 51 | 57 | 7th | 33 | 6th | 48·3 | 41·4 | 45·0 | + 3·8 | 24 | 2 | 6 | 1·92 | — | 0·2 | — | 3 | 2 | 24 | * | * | 48·7 | +1·2 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Harrogate | 479 | 46 | 6, 7 | 30 | 11th | 43·0 | 34·9 | 39·1 | - 0·2 | 3 | 27 | 6 | 1·35 | + 0·75 | *0·3* | — | *4* | 2 | 36 | 40·0 | +0·3 | 45·5 | +1·2 | *Huddersfield.* |
| *a* Bawtry | 65 | 49 | 6th | 26 | 11th | 44·7 | 33·9 | 39·5 | - 0·2 | 8 | 32 | 5 | 0·65 | + 0·21 | 0·5 | - 0·6 | 7 | 5 | 22 | 40·6 | 0·0 | 44·1 | +1·2 | Harrogate. |
| *p Buxton* | *987* | *46* | *7th* | *30* | *10th* | *41·0* | *33·7* | *37·5* | *- 0·4* | *0* | *32* | *6* | *1·34* | *+ 0·21* | *0·1* | — | *1* | 4 | 25 | 38·6 | -0·9 | 44·5 | -0·6 | *Buxton.* |
| *a*, East *a* Nottingham | 82 | 54 | 6, 7 | 29 | 12th | 46·9 | 34·0 | 40·7 | + 0·6 | 14 | 33 | 4 | 0·67 | + 0·21 | 0·4 | — | 5 | 3 | 26 | 39·3 | -0·6 | 44·5 | +0·6 | Nottingham. |
| *p* Birmingham, Edgbsn. | 535 | 48 | 7th | 32 | 6th | 43·7 | 36·7 | 40·3 | + 0·3 | 5 | 20 | 5 | 1·27 | + 0·73 | 0·4 | — | 5 | 2 | 24 | 42·4 | +0·3 | 47·7 | +0·9 | Birmingham. |
| *a* Raunds | 203 | 54 | 6th | 29 | 6, 11 | 47·3 | 33·6 | 40·7 | + 0·8 | 15 | 35 | 6 | 0·84 | — | *0·9* | — | *12* | 5 | 22 | 44·2 | * | 49·4 | * | *Raunds.* |
| *p* Oxford | 208 | 56 | 7th | 31 | 11th | 47·6 | 38·6 | 43·3 | + 2·6 | 23 | 10 | 7 | 1·43 | + 0·93 | 1·0 | - 0·4 | 13 | 3 | 24 | * | * | * | * | Oxford. |
| | | | | | | | | | | | | | | | 0·4 | — | 5 | 2 | 26 | 41·2 | +0·7 | 46·2 | +0·8 | Sheffield. |
| *a* Cheadle | 646 | 48 | 7th | 30 | 6th | 43·7 | 34·6 | 39·3 | + 0·2 | 5 | 28 | 6 | 1·26 | + 0·61 | * | * | * | 3 | 27 | * | * | * | * | Cheadle. |
| *p* Shrewsbury | 191 | 51 | 7, 8 | 30 | 10, 11 | 47·7 | 35 6 | 41·9 | - 0·2 | 16 | 28 | 4 | 1·05 | — | * | * | * | 4 | 25 | * | * | * | * | Shrewsbury. |
| *b*, West *a* Hereford§ | 291 | 53 | 6th | 28 | 11th | 46·0 | 34·9 | 40·7 | + 0·2 | 11 | 29 | 6 | 1·49 | + 0·95 | *0·4* | | *5* | 2 | 23 | 40·9 | * | 45·8 | * | *Malvern.*§ |
| *a* Cirencester | 446 | 53 | 6th | 35 | 6th | 46·2 | 39·5 | 43·0 | + 3·5 | 18 | 7 | 5 | 1·18 | + 0·55 | 1·0 | - 0·4 | 13 | 2 | 27 | 42·5 | * | 46 7 | * | Cirencester. |
| *a* Bath | 66 | 57 | 6th | 28 | 6th | 49·1 | 35·4 | 42·5 | + 0·9 | 31 | 18 | 4 | 1·02 | + 0·33 | 1·1 | — | 14 | * | * | 42·7 | -1·2 | 47·8 | -0·4 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | * | * | * | 2 | 27 | 45·3 | +2·0 | 48·8 | +3·2 | Canterbury. |
| *p* Kew | 18 | 55 | 7th | 32 | 11th | 48·6 | 40·0 | 44·5 | + 3·1 | 26 | 6 | 7 | 2·13 | + 1·66 | 0·6 | - 0·8 | 8 | 2 | 22 | 42·9 | +0·7 | 47·6 | +0·8 | Kew. |
| *a* Marlborough | 424 | 54 | 6th | 28 | 6, 11 | 48·4 | 33·1 | 41·1 | + 1·2 | 18 | 38 | 7 | 1·79 | + 1·11 | 0·9 | - 0·3 | 11 | 3 | 18 | 42·4 | * | 47·7 | * | Marlborough. |
| *a* Margate | 53 | 56 | 6th | 34 | 6th | 50·6 | 42·1 | 46·5 | + 4·2 | 32 | 0 | 7 | 1·20 | + 0·72 | 0·4 | - 1·2 | 5 | 1 | 30 | 44·8 | +1·1 | 48·2 | +2·0 | Margate. |
| *a* Wisley, Surrey | 150 | 55 | 6th | 30 | 11th | 48·7 | 37·9 | 43·5 | + 1·7 | 28 | 11 | 7 | 2·76 | — | 0·4 | — | 5 | 2 | 23 | 43·1 | +0·7 | 47·6 | +1·1 | Wisley. |
| | | | | | | | | | | | | | | | 0·4 | — | 5 | 2 | 25 | 44·4 | +0·9 | 49·0 | +1·0 | Worthing. |
| *p* Salisbury (Wilton) | 180 | 56 | 7th | 27 | 6th | 50·3 | 33·9 | 42·4 | + 1·7 | 37 | 23 | 7 | 2·31 | + 1·54 | * | * | * | 3 | 22 | 42·7 | * | * | * | Salisbury. |
| *a* Tunbridge Wells | 354 | 56 | 7th | 30 | 6, 11 | 49·1 | 37·1 | 43·3 | + 2·4 | 30 | 14 | 7 | 3·54 | + 2·84 | 0·4 | - 1·2 | 5 | 2 | 22 | 44·7 | +2·9 | 47·8 | * | Tunbridge Wells |
| *a* Dungeness | 21 | 54 | 7th | 32 | 6, 7 | 49·7 | 42·1 | 46·1 | + 2 9 | 29 | 0 | 6 | 2·24 | + 1·71 | * | * | * | * | * | * | * | * | * | Littlestone. |
| *p* Hastings | 178 | 53 | 6, 7 | 33 | 6th | 50·3 | 41·4 | 46·0 | + 3·1 | 31 | 2 | 7 | 2·42 | + 1·76 | *0·5* | *- 1·4* | *6* | 1 | 28 | 44·5 | * | 48·7 | * | *Hastings.* |
| *p* Southampton | 64 | 54 | 6, 7 | 30 | 6th | 49·7 | 38·6 | 44·4 | + 1·7 | 31 | 10 | 6 | 4·00 | + 3·31 | 1·1 | - 0·5 | 14 | 3 | 19 | * | * | * | * | Southampton. |
| *a* Ventnor | 59 | 54 | 6th | 37 | 6th | 50·6 | 42·1 | 46·5 | + 1·3 | 32 | 0 | 6 | 4·56 | + 3·81 | 1·0 | - 0·7 | 13 | * | * | * | * | * | * | Ventnor. |
| | | | | | | | | | | | | | | | *1·0* | — | *13* | 2 | 26 | 44·9 | +0·2 | 49·2 | +0·5 | *Portsmouth.* |
| | | | | | | | | | | | | | | | 0·2 | - 1·6 | 3 | * | * | 46·7 | * | 50·0 | * | Eastbourne. |
| | | | | | | | | | | | | | | | *1·3* | — | *16* | * | * | 43·8 | * | 46·4 | * | *Bournemouth.* |
| LONDON. | | | | | | | | | | | | | | | | | | | | | | 48·4 | * | *Brighton.* |
| *a Westminster* | *27* | *57* | *6th* | *33* | *6th* | *50·2* | *39·5* | *45·1* | *+ 3·6* | *32* | *7* | *5* | *2·22* | *+ 1·74* | *0·5* | *- 1·2* | *6* | 2 | 26 | * | * | * | * | *Westminster.* |
| *a Greenwich* | *155* | *56* | *6th* | *33* | *6th* | *48·4* | *38·6* | *43·7* | *+ 2·5* | *26* | *10* | *7* | *2·06* | *+ 1·59* | *0·5* | *- 0·7* | *6* | 2 | 27 | * | * | * | * | *Greenwich.* |
| *a Hampstead* | *450* | *54* | *6th* | *32* | *6th* | *47·2* | *36·9* | *42·3* | — | *24* | *14* | *7* | *2·34* | — | *0·6* | — | *8* | 3 | 19 | * | * | * | * | *Hampstead.* |
| *a Camden Square* | *110* | *55* | *6th* | *31* | *6th* | *49·0* | *38 0* | *43·7* | — | *29* | *11* | *6* | *2·36* | — | *0·5* | — | *6* | 2 | 28 | * | * | * | * | *Camden Square.* |
| | | | | | | | | | | | | | | | *0·1* | — | *1* | 3 | 26 | 39·1 | -0·6 | 45·1 | +0·9 | *Burnley.* |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | 0·6 | — | 8 | * | * | * | * | * | * | Hoylake. |
| *p* Aspatria | 250 | 48 | 7th | 32 | 11th | 45·1 | 36·7 | 41·1 | + 0·7 | 9 | 22 | 6 | 0·44 | - 0·49 | 0·6 | — | 8 | 2 | 29 | 41·9 | * | 46·6 | * | Aspatria. |
| *p* Newton Rigg | 559 | 47 | 7, 8 | 29 | 11th | 43·6 | 34 6 | 39·3 | + 0·4 | 4 | 28 | 5 | 0 90 | + 0·04 | 0·4 | - 0·8 | 6 | 4 | 21 | 39·9 | -0·4 | 44·1 | +0·4 | Newton Rigg. |
| *p* Stonyhurst | 375 | 47 | 6, 7 | 33 | 6, 11 | 44·6 | 36·7 | 40·8 | + 0·2 | 7 | 21 | 6 | 0·62 | - 0·39 | 0·2 | - 0·8 | 3 | 5 | 22 | * | * | * | * | Stonyhurst |
| *p* Blackpool | 66 | 50 | 7th | 33 | 10, 11 | 45·7 | 37·0 | 41·5 | - 0·1 | 10 | 21 | 5 | 0·48 | - 0·25 | 0·3 | - 0·7 | 4 | 2 | 27 | 43·0 | * | 48·1 | * | Blackpool. |
| *a Southport* | *37* | *50* | *6-8* | *33* | *10th* | *45·9* | *37·0* | *41·6* | *+ 0·2* | *11* | *21* | *5* | *0·49* | *- 0·22* | *0·4* | *- 0·7* | *5* | 2 | 25 | 39·0 | -0·7 | 44·5 | +0·9 | *Southport.* |
| *a* Liverpool (Bidston) | 188 | 51 | 6th | 35 | 6th | 46·1 | 37·1 | 41·8 | + 0·1 | 11 | 21 | 4 | 0·51 | - 0·04 | *0·6* | — | *8* | * | * | * | * | * | * | *Liverpool.* |
| *a Hawarden Bridge* | *22* | *52* | *6th* | *33* | *10, 11* | *46·3* | *36·9* | *41·8* | *- 1·0* | *12* | *22* | *5* | *1·45* | *+ 0·95* | *0·2* | — | *3* | 0 | 31 | 41·1 | +0·4 | 47·0 | +1·1 | *Manchester (City).* |
| *p* Manchester (Whit. Pk.) | 125 | 49 | 7th | 34 | 6th | 45·9 | 38·1 | 42·2 | + 0·9 | 18 | 11 | 3 | 0 23 | - 0·38 | *0·2* | *- 0·2* | *3* | * | * | * | * | * | * | *„ (Whit. Park)* |
| *b* NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Llandudno | 71 | 56 | 7th | 34 | 10th | 48·1 | 39·0 | 43·7 | - 0·4 | 25 | 8 | 5 | 0·98 | + 0·32 | 0·9 | - 0·4 | 12 | * | * | * | * | * | * | Llandudno |
| *a* Holyhead | 15 | 53 | 6th | 38 | 11th | 48 3 | 41·9 | 45·2 | + 0·6 | 23 | 0 | 3 | 0·91 | 0·00 | *1·1* | — | *15* | * | * | * | * | * | * | *Holyhead.* |
| *Bettws-y-Coed* | *148* | *54* | *6th* | *31* | *10th* | *46·0* | *33·4* | *41·4* | *- 2·3* | *11* | *24* | *4* | *2·03* | — | *0·3* | — | *4* | * | * | 41·7 | 0·0 | 46·7 | +0·9 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | 0·8 | — | 10 | * | * | * | * | * | * | Aberdovey |

* For notes see also opposite page.

† At 3 ft.

§ The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. | | | | Mean for the Week. | | | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Of Highest each day. | Of Lowest each day. | For whole of each day. | | Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft Mean. | Earth 1 ft Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 1·0 | — | 13 | | | | | | | |
| *a* Llangammarch Wells | 550 | 54 | 6th | 30 | 6, 11 | 44·7 | 34·4 | 39·8 | 0·0 | 8 | 30 | 6 | 2·28 | — | 0·2 | — | 3 | 2 | 24 | 42·1 | −0·7 | 47·5 | +0·2 | Aberystwyth. Llangammarch. |
| *a* Pembroke .. .. | 149 | 53 | 6th | 39 | 10th | 50·0 | 42·7 | 46·5 | + 0·5 | 32 | 0 | 7 | 1·27 | + 0·37 | 0·5 | − 1·1 | 6 | | | | | | | Pembroke. |
| *p* Cardiff .. .. .. | 202 | 54 | 6, 7 | 32 | 6th | 48·3 | 39·0 | 43·8 | + 2·3 | 25 | 8 | 5 | 1·87 | + 0·87 | *0·8* | — | *10* | 1 | 26 | 42·1 | −0·4 | 47·3 | +0·7 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 55 | 6th | 33 | 6th | 47·7 | 37·6 | 42·9 | + 0·3 | 25 | 12 | 5 | 1·08 | + 0·31 | *0·8* | — | *10* | 2 | 29 | | | | | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 53 | 6th | 29 | 6th | 47·3 | 35·0 | 41·4 | + 0·4 | 15 | 30 | 7 | 1·42 | + 0·62 | | | | | | 42·5 | | 47·4 | | Shaftesbury. |
| *a* Arlington .. .. | 613 | 54 | 7th | 30 | 6th | 47·1 | 35·4 | 41·5 | − 0·8 | 14 | 28 | 6 | 2·10 | + 0·74 | 1·7 | − 0·2 | 21 | 1 | 27 | 45·2 | | 49·3 | | Arlington. Newquay. |
| *a Newquay* .. .. | *190* | *55* | *6, 7* | *33* | *6th* | *51·3* | *39·0* | *45·4* | *− 1·0* | *36* | *8* | *6* | *1·23* | *+ 0·38* | 0·9 | − 0·5 | 11 | 4 | 22 | 43·9 | | | | Cullompton. |
| *a* Cullompton .. .. | 202 | 55 | 6th | 27 | 6th | 48·7 | 34·1 | 41·7 | − 0·7 | 19 | 34 | 6 | 1·64 | + 0·80 | *0·5* | — | *6* | | | | | | | *Weymouth.* |
| *a* Portland Bill .. .. | 19 | 55 | 6th | 41 | 11th | 51·4 | 44·7 | 48·2 | + 3·1 | 43 | 0 | 7 | 1·38 | — | 1·1 | − 0·6 | 14 | | | 45·3 | −0·3 | | | Plymouth. |
| *p* Plymouth .. .. | 116 | 55 | 6, 7 | 30 | 6th | 52·6 | 41·3 | 47·2 | + 2·1 | 39 | 2 | 6 | 2·58 | + 1·63 | 1·5 | − 0·4 | 19 | 2 | 25 | 45·7 | | 50·0 | | Falmouth. |
| *a* Falmouth .. .. | 167 | 55 | 6th | 34 | 6th | 51·4 | 40·0 | 45·9 | − 0·4 | 36 | 6 | 6 | 2·36 | + 1·11 | | | | | | | | | | |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Malin Head .. .. | 208 | 47 | 9th | 35 | 6, 7 | 44·6 | 38·1 | 41·5 | − 1·7 | 7 | 17 | 6 | 1·06 | + 0·31 | *1·4* | — | *20* | | | | | | | *Malin Head.* |
| *a*, West .. *a* Blacksod Point .. | 37 | 54 | 8th | 40 | 6, 10–12 | 47·4 | 41·1 | 44·4 | − 0·4 | 21 | 3 | 6 | 21·30 | 0·00 | | | | | | | | | | |
| *p* Markree Castle .. | 122 | 49 | 6th | 29 | 6, 9 | 45·7 | 34·7 | 40·4 | − 1·3 | 10 | 30 | 5 | 1·66 | + 0·65 | 1·3 | 0·0 | 18 | 4 | 24 | 41·7 | | 47·3 | | Markree Castle |
| *a* Birr Castle .. .. | 175 | 51 | 6th | 31 | 6th | 46·9 | 35·9 | 41·6 | − 0·1 | 14 | 26 | 5 | 0·95 | + 0·23 | *2·7* | *+ 1·0* | *36* | | | | | | | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 47 | 7th | 26 | 10th | 44·4 | 35·0 | 39·9 | − 1·6 | 7 | 28 | 6 | 2·03 | + 1·37 | 1·4 | 0·0 | 19 | 2 | 22 | 41·6 | +0·1 | 46·4 | +0·6 | Armagh. |
| *a* Donaghadee .. .. | 101 | 47 | 6-9 | 32 | 6th | 46·3 | 36·9 | 41·8 | − 1·0 | 12 | 22 | 6 | 0·59 | − 0·11 | | | | | | | | | | |
| | | | | | | | | | | | | | | | 2·1 | + 0·3 | 28 | 2 | 24 | 41·6 | −0·9 | 46·3 | 0·0 | Trinity Coll. |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | | | | 3 | 23 | | | | | Phœnix Park. |
| *p* Dublin, City .. .. | 47 | 53 | 6th | 33 | 6th | 47·1 | 39·3 | 43·4 | − 0·7 | 21 | 8 | 6 | 1·60 | + 1·07 | | | | 1 | 30 | | | | | Dublin City. |
| *a*, East .. *a* Kilkenny .. .. | 212 | 52 | 6th | 26 | 6th | 47·1 | 33·4 | 40·5 | − 1·7 | 14 | 35 | 5 | 0·77 | + 0·03 | | | | | | | | | | |
| *a* Waterford .. .. | 30 | 53 | 6th | 27 | 6th | 49·3 | 34·7 | 42·3 | − 1·1 | 33 | 20 | 6 | 2·11 | + 1·16 | | | | | | | | | | |
| *a Seskin, Carrick-on-Suir* | *541* | *51* | *6th* | *32* | *6th* | *46·4* | *38·3* | *42·5* | — | *19* | *10* | *6* | *2·60* | — | *1·9* | — | *25* | 2 | 23 | | | | | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 51 | 6th | 31 | 6th | 46·9 | 35·9 | 41·6 | − 0·1 | 14 | 26 | 5 | 0·95 | + 0·23 | 2·7 | + 1·0 | 36 | | | | | | | Birr Castle. |
| *a* Foynes .. .. .. | 50 | 53 | 6th | 32 | 10, 11 | 48·4 | 35·9 | 42·4 | − 1·8 | 28 | 17 | 7 | 0·77 | − 0·23 | | | | | | | | | | |
| *b*, West .. *a* Cahir .. .. | 199 | 52 | 6th | 27 | 6th | 47·0 | 32·9 | 40·2 | − 3·0 | 14 | 37 | 7 | 1·41 | — | | | | | | | | | | |
| *a* Killarney .. .. | 174 | 55 | 6th | 33 | 6th | 49·9 | 38·9 | 44·6 | + 0·1 | 31 | 9 | 6 | 1·51 | − 0·02 | | | | | | | | | | |
| *a* Valencia .. .. | 30 | 54 | 6th | 33 | 6th | 50·1 | 40·3 | 45·4 | − 1·1 | 31 | 5 | 7 | 1·61 | + 0·21 | 1·6 | 0·0 | 21 | | | | | | | Valencia. |
| *a* Roche's Point .. .. | 32 | 52 | 6th | 33 | 6th | 50·3 | 39·6 | 45·2 | − 0·4 | 32 | 7 | 7 | 2·21 | + 1·08 | 2·0 | — | 25 | | | | | | | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 55 | 6th | 40 | 6th | 51·9 | 43·7 | 48·0 | − 0·6 | 42 | 0 | 7 | 1·47 | + 0·61 | 2·4 | + 0·5 | 30 | | | | | | | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 56 | 6th | 33 | 6th | 52·3 | 41·0 | 46·9 | + 0·6 | 39 | 3 | 7 | 3·72 | + 2·82 | 0·4 | − 1·8 | 5 | | | | | | | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 55 | 6th | 34 | 6th | 51·1 | 43·1 | 47·3 | + 0·5 | 37 | 0 | 6 | 2·88 | + 1·88 | 0·4 | − 1·2 | 5 | 1 | 28 | 47·2 | +0·3 | 50·7 | +0·2 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 1·0 hrs. 13 °/₀; Ramsgate, 0·6 hrs. 8 °/₀; Rhyl, 0·6 hrs. 8 °/₀; Salcombe, 1·5 hrs. 19 °/₀; Tenby, 0·8 hrs. (−0·8) 10 °/₀; Torquay, 1·2 hrs. (−0·6) 15 °/₀.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Dec. 12th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick* .. .. .. | 45 | 45 | 45·0 | −1·7 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 44 | 40 | 42·2 | −2·3 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 41 | 39 | 40·0 | −3·4 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | 49 | 47 | 47·9 | +1·9 |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 49 | 47 | 47·7 | +0·4 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 50 | 47 | 48·9 | −0·2 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. | 54 | 49 | 50·8 | — |
| Plymouth‡ .. .. | 50 | 49 | 49·4 | −1·0 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 48 | 45 | 46·7 | +1·4 |
| Seafield .. .. | — | — | — | — |

* Monday and Tuesday only. ‡ Only one observation each day.

## IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, December 12th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. | | | | | | | | Extreme Velocities. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Gales force 8 or more. | | High Winds, forces 6 and 7. | | Fresh or Moderate Winds forces 4 and 5. | Calms and Light Airs. | Highest Hourly Wind. | | Highest Gust with Date and Time | | |
| | | Dates of Occurrence. | Total Duration. | Dates of Occurrence. | Total Duration. | Total Duration. | Total Duration. | Direction and Velocity. | Date and Hour. | | | |
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. | d. | h. m. |
| **1.** SCOTLAND, E | | | | | | | | | | | | |
| Dyce .. .. | 75 | — | — | — | — | 84 | 84 | | | | | |
| Aberdeen* .. | 105 | 11, 12 | 10 | 6, 11, 12 | 39 | 76 | 43 | E. by S. 10 | 12th 1h. | 24 | 7th | 14 . 15 |
| Rosyth .. .. | 73 | — | — | 6 to 9, 11, 12 | 58 | 70 | 40 | ESE. 18 | 12th 2h. | 26 | 12th | 1 . 40 |
| **6.** SCOTLAND, W. | | | | | | | | SE. by E. 16 | 12th 1h. | 26 | 12th | 5 . 20 |
| Eskdalemuir .. | 50 | — | — | 6 to 9, 11, 12 | 50 | 67 | 51 | E. 14 | 11h 18h. | 24 | 11th | 19 . 15 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 92 | 76 | SW. by S. 11 | 8th 4h. | 24 | 7th | 3 . 55 |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | 6, 11, 12 | 19 | 65 | 84 | S. by E. 14 | 6th 20h. | 24 | 6th | 19 . 30 |
| South Shields .. | 61 | 11, 12 | 14 | 6, 10 to 12 | 34 | 64 | 56 | E. by S. 21 | 12th 7h. | 27 | 12th | 7 . 20 |
| Spurn Head .. | 40 | — | — | 6, 8, 11, 12 | 20 | 104 | 44 | S. by E. 17 | 6th 19h. | 24 | 6th | 19 . 35 |
| **3.** ENGLAND, E. | | | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 6, 10 to 12 | 27 | 97 | 44 | — 16 | 6th 19h. | 21 | 6th | 20 . 5 |
| Shoeburyness .. | 90 | — | — | 6, 7, 9 to 11 | 27 | 85 | 56 | — 16 | 11th 18h. | 20 | 11th | 17 . 40 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | |
| Benson .. .. | 84 | — | — | 6, 7, 11 | 20 | 89 | 59 | E. 16 | 11h 18h | 23 | 8th | 12 . 25 |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | |
| Dover .. .. | 40 | — | — | 6 to 8, 10, 11 | 39 | 60 | 69 | — 14 | 7th 11h. | 22 | 8th | 10 . 55 |
| Warlingham .. | 33 | — | — | 7th | 2 | 84 | 82 | — 11 | 7th 15h. | 20 | 6th | 17 . 40 |
| Brighton .. .. | 53 | — | — | 6, 7 | 11 | 88 | 69 | — 12 | 6th 22h. | 20 | 6th | 18 . 40 |
| Kew† .. .. | 65 | — | — | — | — | 64 | 104 | NE. 10 | 10th 1h. | 18 | 8th | 14 . 55 |
| South Kensington | 92 | — | — | — | — | — | 168 | SW. by W 5 | 7th 20h. | 10 | 7th | 19 . 50 |
| **7.** ENGLAND, N.W. | | | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | 50 | 118 | S. 10 | 6th 20h. | 18 | 6th | 19 . 10 |
| Southport .. .. | 62 | — | — | 6 to 8, 11 | 38 | 83 | 47 | SSE. 16 | 6th 18h. | 25 | 6th | 18 . 25 |
| Holyhead* .. .. | 40 | 6th | 2 | 6 to 8, 11, 12 | 83 | 50 | 33 | S. by E. 18 | 6th 17h. | 27 | 6th | 15 . 40 |
| **8.** ENGLAND, S.W. | | | | | | | | | | | | |
| Pendennis Castle* | 65 | 6, 8, 10, 11 | 25 | 6 to 8, 10 to 12 | 55 | 39 | 49 | SE. 23 | 11th 7h. | 29 | 7th | 15 . 0 |
| Plymouth .. .. | 88 | — | — | 6 to 8, 11 | 33 | 45 | 90 | — 15 | 6th 12h. | 26 | 11th | 10 . 10 |
| **10.** IRELAND, S. | | | | | | | | | | | | |
| Quilty .. .. | 40 | 6 to 8, 11 | 8 | 6 to 8, 10 to 12 | 73 | 76 | 11 | — 20 | 11th 9h. | 29 | 11th | 9 . 10 |
| Weaver Pt. .. | 30 | 6, 11, 12 | 33 | 6 to 8, 10 to 12 | 78 | 19 | 38 | — 27 | 11th 8h. | 35 | 11th | 8 . 20 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | |
| Scilly* .. .. | 19 | 10, 11 | 8§ | 6 to 8, 10 to 12 | 39§ | 73§ | 46§ | SE. 20 | 11th. 3h. | 28 | 11th | 3 . 25 |

## NOTES ON TABLES II. and III.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground. The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day. The rims of the gauges are 1 foot above the ground.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907–1911, but in some cases for 1908–1911, or 1909–1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

## NOTES ON TABLE IV.

All the records were obtained from instruments of the Dines' Pressure Tube type with the exception of those from Carnforth which were taken from an anemobiograph.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

* Wind Direction at these stations is taken from the Robinson Instrument.

† Until May 9th the anemograph was about ½ mile East of the Observatory with a vane 40 ft. above ground. The instrument now used is on the Observatory Building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

## [Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**FORTY-NINTH WEEK**—December 6th to December 12th, 1914.

| DISTRICTS, (See Frontispiece map.) | Temperature of the Air.† Highest. | Lowest. | Means of Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Accumulated Number of Day-Degrees. Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Rainfall. Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Sunshine. Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr | hr. | % | mb. |
| 0 SCOTLAND, NORTH ... | 46 | 28 | 42·3 | 35·4 | 39·0 | − 0·8 | 1 | − 9 | 24 | − 4 | 5 | 0 | 1·84 | +0·30 | 0·3 | −0·5 | 4 | 995 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 48 | 23 | 42·8 | 33·9 | 38·5 | + 0·1 | 2 | − 7 | 39 | − 4 | 5 | 0 | 1·19 | +0·41 | 0·9 | −0·2 | 14 | 997 |
| 2. ENGLAND, N.E. . ... | 53 | 28 | 45·3 | 36·3 | 41·0 | + 0·9 | 9 | − 2 | 24 | − 2 | 5 | + 1 | 0·88 | +0·33 | 0·9 | −0·4 | 12 | 998 |
| 3. ENGLAND, EAST ... | 57 | 27 | 48·0 | 37·8 | 43·1 | + 3·3 | 25 | + 12 | 12 | −18 | 6 | + 1 | 1·86 | +1·32 | 0·7 | −0·7 | 10 | 1001 |
| 4 MIDLAND COUNTIES ... | 57 | 26 | 46·0 | 35·6 | 41·0 | + 1·4 | 11 | − 2 | 27 | − 4 | 5 | + 1 | 1·11 | +0·51 | 0·7 | −0·6 | 9 | 999 |
| 5. ENGLAND, S.E. ... ... | 56 | 27 | 49·6 | 38·8 | 44·4 | + 2·7 | 30 | + 11 | 9 | −12 | 7 | + 2 | 2·70 | +1·99 | 0·6 | −0·9 | 8 | 1000 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 50 | 29 | 44·9 | 36·9 | 41·1 | − 0·5 | 8 | − 7 | 21 | + 2 | 4 | − 1 | 1·00 | −0·35 | 0·7 | −0·4 | 10 | 996 |
| 7. ENGLAND, N.W. ... ... | 56 | 29 | 45·9 | 37·6 | 42·0 | + 0·5 | 11 | − 4 | 12 | − 7 | 5 | 0 | 0·63 | −0·27 | 0·5 | −0·6 | 7 | 996 |
| 8. ENGLAND, S.W. ... ... | 55 | 27 | 48·9 | 38·4 | 43·9 | + 0·8 | 28 | + 4 | 10 | − 5 | 6 | + 1 | 1·80 | +0·64 | 1·0 | −0·6 | 13 | 997 |
| 9. IRELAND, NORTH ... | 54 | 26 | 45·9 | 37·0 | 41·6 | + 0·1 | 11 | − 4 | 21 | + 1 | 6 | 0 | 1·27 | +0·36 | 1·4 | 0·0 | 18 | 990 |
| 10. IRELAND, SOUTH ... | 55 | 26 | 48·5 | 36·8 | 42·8 | − 0·5 | 27 | + 2 | 15 | 0 | 6 | + 1 | 1·44 | +0·43 | 2·1 | +0·5 | 27 | 991 |
| 11. ENGLISH CHANNEL ... | 56 | 33 | 51·8 | 42·6 | 47·4 | + 0·6 | 38 | + 1 | 0 | − 3 | 7 | + 2 | 2·69 | +1·63 | 1·1 | −0·8 | 13 | 998 |

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 2 Weeks, November 29th to December 12th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 56 | 28 | * | * | * | * | 13 | − 9 | 49 | − 4 | 12 | + 1 | 6·03 | +3·08 | 0·2 | −0·6 | 2 | 989 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 56 | 23 | * | * | * | * | 15 | − 5 | 56 | − 9 | 11 | + 3 | 3·50 | +2·03 | 0·8 | −0·4 | 11 | 991 |
| 2. ENGLAND, N.E. ... ... | 59 | 28 | * | * | * | * | 41 | + 16 | 27 | −20 | 10 | + 1 | 1·74 | +0·70 | 1·2 | −0·2 | 16 | 997 |
| 3. ENGLAND, EAST ... | 58 | 27 | * | * | * | * | 61 | + 33 | 12 | −43 | 11 | + 3 | 2·37 | +1·33 | 1·4 | −0·1 | 18 | 1004 |
| 4. MIDLAND COUNTIES ... | 59 | 26 | * | * | * | * | 44 | + 16 | 28 | −29 | 11 | + 3 | 2·63 | +1·50 | 1·1 | −0·2 | 14 | 1001 |
| 5. ENGLAND, S.E. ... ... | 56 | 27 | * | * | * | * | 75 | + 35 | 9 | −30 | 13 | + 5 | 4·27 | +2·92 | 1·2 | −0·3 | 15 | 1004 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 55 | 29 | * | * | * | * | 32 | 0 | 28 | − 8 | 11 | + 2 | 4·16 | +1·56 | 0·5 | −0·7 | 7 | 992 |
| 7. ENGLAND, N.W. ... ... | 60 | 29 | * | * | * | * | 45 | + 12 | 13 | −21 | 12 | + 3 | 3·15 | +1·39 | 0·6 | −0·6 | 8 | 996 |
| 8. ENGLAND, S.W. ... ... | 56 | 27 | * | * | * | * | 67 | + 18 | 10 | −19 | 13 | + 4 | 4·18 | +2·02 | 1·3 | −0·4 | 16 | 1000 |
| 9. IRELAND, NORTH ... | 56 | 26 | * | * | * | * | 37 | + 4 | 31 | − 5 | 13 | + 2 | 3·66 | +1·88 | 1·0 | −0·4 | 14 | 989 |
| 10. IRELAND, SOUTH ... | 57 | 26 | * | * | * | * | 58 | + 7 | 21 | − 7 | 13 | + 3 | 4·47 | +2·54 | 1·8 | +0·1 | 22 | 993 |
| 11. ENGLISH CHANNEL ... | 56 | 33 | * | * | * | * | 93 | + 16 | 0 | − 5 | 13 | + 3 | 4·41 | +2·45 | 1·2 | −0·7 | 15 | 1003 |

THE YEAR.—Aggregates, &c., for the Period of 49 Weeks, January 4th, 1914, to December 12th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 2273 | +185 | 511 | −191 | 225 | − 6 | 45·98 | −2·57 | 3·2 | 0·0 | 25 | 1009 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 14 | * | * | * | * | 2552 | +220 | 661 | −145 | 184 | − 7 | 28·73 | −0·18 | 3·9 | +0·1 | 31 | 1010 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 3068 | +451 | 388 | −198 | 167 | − 7 | 22·14 | −1·16 | 4·4 | +0·3 | 35 | 1013 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 3421 | +400 | 370 | −281 | 164 | − 4 | 21·46 | −0·86 | 4·8 | +0·3 | 39 | 1014 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 3254 | +321 | 480 | −202 | 164 | − 2 | 24·71 | −0·01 | 4·2 | +0·2 | 34 | 1014 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 3540 | +254 | 307 | −162 | 161 | 0 | 28·42 | +3·11 | 5·2 | +0·6 | 42 | 1015 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 2750 | +201 | 415 | −111 | 195 | − 5 | 40·10 | −4·61 | 3·8 | −0·1 | 31 | 1011 |
| 7. ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 3088 | +298 | 290 | −177 | 183 | − 2 | 32·33 | −0·34 | 4·3 | +0·3 | 35 | 1013 |
| 8. ENGLAND, S.W. ... ... | 86 | 16 | * | * | * | * | 3360 | +223 | 259 | −108 | 190 | + 6 | 40·14 | +4·40 | 4·6 | +0·1 | 37 | 1014 |
| 9. IRELAND, NORTH ... | 80 | 17 | * | * | * | * | 2871 | +207 | 340 | − 96 | 213 | − 5 | 34·88 | −0·90 | 3·7 | 0·0 | 29 | 1011 |
| 10. IRELAND, SOUTH ... | 81 | 23 | * | * | * | * | 3328 | +242 | 247 | − 87 | 209 | +15 | 39·41 | +2·32 | 4·1 | 0·0 | 33 | 1013 |
| 11. ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 3912 | +212 | 75 | − 41 | 184 | −13 | 34·23 | +4·01 | 5·2 | −0·2 | 42 | 1015 |

M.O., December 16, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 197

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. *Vol. XXXI. (New Series.)* No. 50. FIFTIETH WEEK, SUNDAY, DECEMBER 13TH, TO SATURDAY, DECEMBER 19TH, 1914. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

The general character of the weather was unsettled and rather mild, the mean temperature exceeding the normal except in Ireland. Maximum readings as high as 50° occurred at times in most districts, but on Saturday the thermometer failed to reach 40° in some parts of Scotland and Ireland. The rainfall exceeded the average except in Scotland West. On the 13th more than an inch fell over a large portion of Scotland, and as much as 1·96 in. at Crathes. On the 16th and 17th the falls at Glencarron were 1·64 in. and 1·07 in., and at Fort William 1·28 in. and 1·18 in. On the 17th there was 1·26 in. at Eskdalemuir, and more than an inch in several parts of England and Wales and at Killarney. At Lancaster the fall was 1·60 in., and at Bettws-y-Coed 1·73 in. Thunder was experienced at Gordon Castle on the 13th, and a thunderstorm at Bognor on the 15th. Thunderstorms, with hail, occurred at several places in southern England on the 19th. The amount of bright sunshine was deficient over the Kingdom as a whole, but above the normal in a few localities.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | 0. Scotland, N. | 1. Scotland, E. | 2. England, N.E. | 3. England, E. | 4. Midland Counties. | 5. England, S.E. | 6. Scotland, W. | 7. England, N.W. | 8. England, S.W. | 9. Ireland, N. | 10. Ireland, S. | 11. English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Moderate | Unusual | Moderate | Unusual | Moderate | Moderate | Moderate | Moderate | Deficient | Moderate |
| | Rainfall ... | Moderate | Heavy | Heavy | Very heavy | Heavy | Very heavy | Moderate | Heavy | Heavy | Moderate | Moderate | Heavy |
| | Sunshine ... | Moderate | Abundant | Moderate | Scanty | Moderate | Moderate | Scanty | Moderate | Moderate | Scanty | Moderate | Scanty |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 3 weeks from Nov. 29th, 1914. | Warmth ... | 0*0 | 0*0 | 1*0 | 3*0 | 1*0 | 3*0 | 1*0 | 1*0 | 1*0 | 1*0 | 0*1 | 1*0 |
| | Rainfall ... | 2*0 | 3*0 | 3*0 | 2*0 | 3*0 | 3*0 | 1*0 | 2*0 | 3*0 | 2*0 | 2*0 | 3*0 |
| | Sunshine ... | 0*2 | 1*1 | 0*0 | 0*2 | 0*1 | 0*1 | 0*3 | 0*2 | 0*1 | 0*2 | 0*1 | 0*3 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6*3 | 7*2 | 7*2 | 9*3 | 7*4 | 7*4 | 4*2 | 8*3 | 7*4 | 7*2 | 7*4 | 6*4 |
| | Rainfall ... | 5*2 | 5*4 | 1*7 | 3*9 | 2*8 | 3*5 | 5*4 | 5*6 | 3*5 | 5*5 | 4*6 | 5*7 |
| | Sunshine ... | 3*1 | 2*2 | 1*2 | 3*4 | 2*6 | 4*4 | 2*6 | 2*0 | 3*5 | 1*9 | 1*7 | 2*5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3*1 | 6*0 | 8*1 | 8*2 | 6*1 | 7*1 | 5*3 | 5*1 | 8*1 | 6*3 | 6*2 | 9*1 |
| | Rainfall ... | 5*2 | 5*5 | 4*6 | 4*5 | 4*5 | 5*4 | 6*4 | 4*5 | 7*6 | 5*5 | 4*6 | 6*5 |
| | Sunshine ... | 4*4 | 4*2 | 3*2 | 6*5 | 4*5 | 4*1 | 4*2 | 4*2 | 4*2 | 4*4 | 4*4 | 4*4 |
| SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. | Warmth ... | 5*0 | 6*3 | 6*1 | 6*1 | 5*2 | 5*2 | 7*2 | 5*1 | 5*2 | 6*1 | 4*2 | 5*3 |
| | Rainfall ... | 2*4 | 2*4 | 3*5 | 3*5 | 3*4 | 2*4 | 2*7 | 4*3 | 5*3 | 2*7 | 4*2 | 7*3 |
| | Sunshine ... | 6*2 | 4*3 | 4*5 | 5*3 | 6*5 | 5*2 | 3*4 | 6*4 | 3*5 | 5*3 | 4*4 | 1*6 |
| AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks. | Warmth ... | 4*3 | 4*2 | 6*3 | 5*2 | 5*2 | 4*4 | 4*4 | 6*3 | 4*3 | 7*3 | 4*2 | 4*3 |
| | Rainfall ... | 3*8 | 4*8 | 3*6 | 2*5 | 2*5 | 3*5 | 3*7 | 5*7 | 3*6 | 3*8 | 4*7 | 3*3 |
| | Sunshine ... | 3*4 | 4*5 | 3*5 | 3*3 | 4*5 | 6*2 | 2*4 | 6*2 | 4*5 | 2*4 | 3*4 | 3*5 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905, An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall, and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**

**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**

**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(3555—19.) Wt. 229—611. 450. 12/14. D & S. G. 20/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean | Earth 4 ft. Difference from Average. | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **0.** SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Baltasound* | *31* | *47* | *17th* | *31* | *13th* | *42·7* | *37·0* | *40·0* | — | *2* | *19* | *4* | *0·24* | — | *0·1* | — | *2* | • | • | 37·3 | • | • | • | *Baltasound.* |
| a, Islands .. a Lerwick | 54 | 47 | 17th | 28 | 13th | 42·7 | 35·9 | 39·4 | - 1·3 | 3 | 23 | 6 | 0·55 | — | 0·5 | - 0·3 | 8 | • | • | • | • | • | • | Deerness. |
| a Stornoway | 51 | 49 | 17th | 32 | 19th | 43·7 | 35·7 | 39·9 | - 0·4 | 5 | 25 | 6 | 1·06 | - 0·35 | 0·8 | - 0·1 | 13 | • | • | • | • | • | • | Stornoway. |
| *a Castlebay, Barra Isd.* .. | *37* | *51* | *17th* | *36* | *13th* | *46·6* | *39·3* | *43·1* | *- 0·2* | *19* | *8* | *7* | *1·38* | — | *1·3* | — | *20* | • | • | • | • | • | • | *Castlebay.* |
| **b,** Mainland. a Wick | 81 | 46 | 17th | 31 | 19th | 43·0 | 35·0 | 39·2 | - 0·4 | 3 | 27 | 5 | 0·76 | + 0·09 | • | • | • | • | • | • | • | • | • | |
| p Strathpeffer | 200 | 48 | 17th | 26 | 19th | 42·7 | 33·0 | 38·0 | + 0·3 | 2 | 33 | 5 | 0·51 | - 0·25 | 0·8 | - 0·2 | 13 | • | • | • | • | • | • | Strathpeffer. |
| p Glencarron | 500 | | | | | | | | | | | 6 | 3·75 | + 1·45 | • | • | • | • | • | • | • | • | • | |
| p Fort Augustus | 68 | 48 | 17th | 28 | 19th | 43·3 | 35·0 | 39·3 | + 0·3 | 4 | 26 | 5 | 0·93 | - 0·32 | 0·6 | + 0·3 | 9 | • | • | • | • | • | • | Fort Augustus. |
| p Fort William | 171 | 48 | 17th | 28 | 19th | 43·0 | 35·0 | 39·2 | - 1·4 | 3 | 27 | 5 | 2·78 | + 0·56 | • | • | • | • | • | • | • | • | • | |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| p Gordon Castle | 101 | 48 | 17th | 30 | 13, 19 | 42·6 | 34·6 | 38·8 | - 0·3 | 2 | 28 | 35 | 1·86 | + 1·26 | 1·5 | — | 23 | 3 | 21 | 38·5 | -0·3 | 41·3 | -0·1 | Crathes S. |
| *a Nairn* | *82* | *48* | *17th* | *29* | *19th* | *42·3* | *33·6* | *38·1* | *- 0·2* | *1* | *31* | *4* | *0·59* | *+ 0·09* | *1·3* | — | *20* | • | • | • | • | • | • | *Gordon Castle.* |
| *a Aberdeen* | *46* | *49* | *17th* | *30* | *19th* | *44·1* | *36·4* | *40·4* | *+ 1·3* | *6* | *22* | *3* | *1·10* | *+ 0·44* | *1·2* | *- 0·1* | *18* | • | • | • | • | *43·2* | *+0·5* | Nairn. |
| *a Balmoral* | *930* | *45* | *16th* | *22* | *19th* | *42·6* | *30·3* | *36·7* | *+ 1·4* | *2* | *43* | *4* | *1·82* | *+ 1·07* | • | • | • | *5* | *19* | • | • | • | • | Aberdeen. |
| *p Crieff* | *432* | *47* | *17th* | *23* | *19th* | *42·4* | *32·4* | *37·6* | *- 0·6* | *1* | *35* | *5* | *2·06* | *+ 1·10* | • | • | • | • | • | • | • | • | • | Balmoral. |
| *a Leith* | *18* | *51* | *17th* | *35* | *16th* | *45·7* | *38·3* | *42·2* | *+ 2·1* | *17* | *10* | *3* | *0·55* | *+ 0·12* | • | • | • | • | • | • | • | • | • | Balruddery. |
| *a West Linton* | *769* | *46* | *17th* | *29* | *16, 19* | *42·0* | *33·3* | *37·8* | *+ 0·4* | *0* | *29* | *5* | *1·13* | — | *1·3* | — | *19* | *5* | *20* | • | • | • | • | *West Linton.* |
| *p Marchmont* | *498* | *48* | *18th* | *26* | *19th* | *44·1* | *34·1* | *39·3* | *+ 1·6* | *6* | *31* | *5* | *1·29* | *+ 0·70* | *1·8* | *+ 0·4* | *26* | *2* | *28* | • | • | • | • | Marchmont. |
| *a Edinburgh* | *441* | *49* | *17th* | *33* | *13th* | *44·1* | *36·7* | *40·6* | — | *6* | *21* | *5* | *0·68* | — | *1·8* | — | *26* | *4* | *25* | • | • | • | • | Edinburgh. |
| **6.** *a,* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a Poltalloch* | *132* | *47* | *17th* | *32* | *19th* | *43·6* | *36·0* | *40·0* | *- 0·5* | *4* | *24* | *7* | *1·19* | *- 0·06* | • | • | • | • | • | • | • | • | • | |
| *p Glasgow Observatory* | *180* | *48* | *17th* | *29* | *19th* | *44·0* | *37·1* | *40·7* | *+ 0·6* | *6* | *20* | *5* | *0·75* | *- 0·15* | *0·3* | *- 0·2* | *4* | *2* | *25* | • | • | • | • | Glasgow. |
| *p Rothesay* | *90* | *48* | *17th* | *34* | *19th* | *44·3* | *38·1* | *41·3* | *+ 0·6* | *6* | *16* | *6* | *1·01* | *- 0·09* | *0·7* | — | *10* | *2* | *26* | *40·9* | • | *44·5* | *+0·5* | *Rothesay.* |
| *a Kilmarnock* | *90* | *49* | *17th* | *27* | *16th* | *44·3* | *34·7* | *39·7* | *- 1·0* | *6* | *29* | *6* | *0·76* | — | *1·2* | — | *17* | • | • | • | • | • | • | *Kilmarnock.* |
| *a Colmonell* | *170* | *49* | *17th* | *30* | *19th* | *44·4* | *38·0* | *41·3* | *- 0·1* | *7* | *16* | *7* | *0·93* | *- 0·23* | • | • | • | *1* | *27* | • | • | • | • | |
| *p Dumfries* | *160* | *50* | *18th* | *28* | *19th* | *44·9* | *36·7* | *41·0* | *+ 1·6* | *8* | *22* | *5* | *1·11* | *+ 0·21* | *0·8* | — | *11* | *2* | *25* | *40·4* | • | *43·9* | • | *Dumfries.* |
| *p Cally, Gatehouse* | *120* | *48* | *17th* | *28* | *19th* | *44·3* | *36·1* | *40·4* | *+ 0·7* | *6* | *24* | *6* | *1·31* | *+ 0·10* | • | • | • | • | • | • | • | • | • | |
| *b.* I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p Douglas* | *277* | *50* | *18th* | *34* | *19th* | *45·6* | *39·6* | *42·7* | *+ 0·1* | *15* | *7* | *7* | *1·53* | *+ 0·44* | *0·7* | *- 0·7* | *10* | *1* | *28* | • | • | • | • | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a Alnwick Castle* | *210* | *49* | *17th* | *35* | *19th* | *45·6* | *38·0* | *42·0* | *+ 2·4* | *10* | *11* | *6* | *1·03* | *+ 0·38* | *2·0* | — | *29* | *2* | *25* | *40·3* | *+1·7* | *43·0* | *+1·4* | Cockle Park. |
| *a Tynemouth* | *71* | *49* | *17th* | *36* | *19th* | *44·7* | *40·1* | *42·5* | *+ 2·4* | *11* | *5* | *4* | *0·55* | *+ 0·11* | • | • | • | *2* | *25* | • | • | • | • | *Tynemouth.* |
| *p Durham* | *336* | *48* | *18th* | *28* | *19th* | *44·6* | *36·7* | *40·8* | *+ 2·5* | *7* | *21* | *6* | *0·68* | *+ 0·25* | *1·7* | *+ 0·3* | *24* | *2* | *25* | • | • | • | • | Durham. |
| a, North .. *p Rounton* | *249* | *48* | *18th* | *31* | *19th* | *44·7* | *36·9* | *41·0* | *+ 2·7* | *8* | *21* | *6* | *0·71* | *+ 0·29* | • | • | • | *4* | *26* | *41·1* | • | • | • | Rounton. |
| *a West Witton* | *605* | *48* | *17th* | *34* | *19th* | *43·0* | *37·9* | *40·6* | — | *3* | *16* | *6* | *1·93* | — | • | • | • | *1* | *29* | *40·4* | • | *42·5* | • | *West Witton.* |
| *p Scarborough* | *100* | *49* | *18th* | *36* | *17th* | *46·3* | *39·6* | *43·1* | *+ 2·9* | *18* | *7* | *5* | *0·73* | *+ 0·23* | *0·8* | — | *11* | • | • | • | • | *43·7* | *+0·9* | Scarborough. |
| *p York* | *56* | *49* | *18th* | *34* | *15th* | *45·9* | *37·4* | *41·8* | *+ 2·3* | *11* | *20* | *6* | *1·05* | *+ 0·62* | • | • | • | • | • | *42·3* | *+1·0* | *45·7* | *+0·9* | York. |
| *a Spurn Head* | *26* | *47* | *14th* | *36* | *17th* | *44·1* | *38·7* | *41·5* | *+ 0·9* | *6* | *14* | *7* | *0·93* | *+ 0·52* | *0·5* | — | *7* | *3* | *28* | *40·9* | *+0·6* | *46·0* | *+0·8* | *Hull.* |
| b, South .. *a Lincoln* | *58* | *50* | *18th* | *34* | *15th* | *45·6* | *38·3* | *42·1* | *+ 3·1* | *16* | *10* | *6* | *1·11* | *+ 0·68* | *0·6* | — | *8* | • | • | • | • | • | • | *Spurn Head.* |
| *a Fulbeck* | *180* | *50* | *18th* | *34* | *15, 19* | *45·0* | *37·4* | *41·4* | *+ 3·1* | *8* | *20* | *6* | *1·01* | *+ 0·58* | *0·8* | — | *11* | • | • | *40·8* | *+0·3* | *45·1* | *+0·2* | Lincoln. |
| | | | | | | | | | | | | | | | *0·8* | — | *11* | *2* | *27* | *41·9* | *+0·5* | *46·4* | *+0·5* | Rauceby. |
| | | | | | | | | | | | | | | | *1·1* | — | *15* | • | • | • | • | • | • | Skegness. |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | *1·1* | — | *15* | *2* | *28* | *42·8* | *+1·0* | *46·3* | *+0·6* | *Lowestoft.* |
| *p Cromer* | *196* | *47* | *13, 14, 18* | *37* | *17th* | *45·4* | *39·1* | *42·4* | *+ 3·9* | *15* | *8* | *6* | *1·46* | — | *1·0* | — | *14* | • | • | • | • | • | • | Cromer. |
| *p Little Massingham* | *280* | *47* | *18th* | *33* | *17th* | *44·0* | *36·3* | *40·3* | *+ 1·6* | *6* | *22* | *6* | *1·99* | *+ 1·45* | *0·5* | *- 0·9* | *7* | *2* | *28* | • | • | • | • | Lit. Massingham. |
| a, North .. *a Yarmouth* | *17* | *50* | *14th* | *32* | *17th* | *46·1* | *37·9* | *42·2* | *+ 2·3* | *19* | *11* | *6* | *1·77* | *+ 1·27* | *0·8* | — | *11* | • | • | *42·1* | *+0·8* | *47·4* | *+1·5* | Yarmouth. |
| *a Norwich* | *93* | *48* | *13th* | *35* | *17th* | *45·4* | *38·6* | *42·1* | *+ 2·9* | *15* | *10* | *7* | *2·19* | — | *1·3* | — | *17* | *1* | *29* | *41·4* | • | • | • | *Norwich.* |
| *a Geldeston* | *37* | *51* | *14th* | *35* | *17th* | *47·4* | *38·7* | *43·2* | *+ 3·5* | *22* | *9* | *7* | *1·54* | *+ 1·06* | *1·1* | *- 0·5* | *15* | • | • | • | • | • | • | Geldeston. |
| *p Cambridge* | *41* | *49* | *18th* | *34* | *17th* | *46·7* | *37·1* | *42·1* | *+ 2·9* | *21* | *14* | *4* | *1·34* | *+ 0·97* | *1·2* | *- 0·1* | *16* | *2* | *28* | *42·6* | *+1·0* | *46·7* | *+0·9* | Cambridge. |
| *a Felixstowe* | *10* | *50* | *14th* | *35* | *17th* | *46·6* | *39·6* | *43·2* | *+ 2·6* | *18* | *7* | *7* | *1·03* | — | *1·0* | — | *13* | • | • | • | • | • | • | *Felixstowe.* |
| a Clacton-on-Sea | 54 | 49 | 14th | 36 | 17th | 46·3 | 40·0 | 43·3 | + 3·0 | 18 | 6 | 6 | 1·31 | — | 1·0 | — | 13 | 1 | 30 | 43·9 | - 0·1 | 47·9 | +0·1 | Clacton. |
| b, South .. *a Rothamsted* | *424* | *50* | *18th* | *34* | *17th* | *46·4* | *37·6* | *42·2* | *+ 3·0* | *20* | *12* | *6* | *1·60* | *+ 1·05* | *1·1* | *- 0·3* | *14* | • | • | • | • | • | • | Rothamsted. |
| *a Shoeburyness* | *13* | *50* | *13, 14* | *37* | *17th* | *47·9* | *40·0* | *44·1* | *+ 3·2* | *23* | *6* | *5* | *0·78* | *+ 0·44* | *1·7* | — | *22* | *2* | *28* | *43·6* | *+0·4* | • | • | *Southend.* |
| *p Tottenham* | *51* | *50* | *14, 15* | *36* | *17th* | *48·7* | *41·3* | *45·2* | *+ 5·2* | *25* | *2* | *6* | *1·45* | — | *0·3* | — | *4* | *1* | *29* | • | • | *47·8* | *+0·7* | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | *0·6* | — | *8* | *1* | *28* | *40·4* | *+0·4* | *44·6* | *+0·8* | *Huddersfield.* |
| *a Harrogate* | *479* | *48* | *17, 18* | *33* | *19th* | *43·6* | *37·6* | *40·7* | *+ 2·3* | *4* | *17* | *5* | *1·13* | *+ 0·55* | *1·3* | — | *18* | *2* | *28* | *41·5* | *+0·8* | *43·5* | *+1·0* | Harrogate. |
| *a Bawtry* | *65* | *49* | *17th* | *30* | *15th* | *44·4* | *37·0* | *40·9* | *+ 2·0* | *7* | *21* | *5* | *0·83* | *+ 0·40* | *0·9* | *- 0·2* | *12* | *3* | *25* | *41·2* | • | *44·4* | • | Worksop. |
| *p Buxton* | *987* | *46* | *18th* | *31* | *15th* | *40·4* | *35·4* | *38·0* | *+ 1·1* | *0* | *28* | *5* | *1·99* | *+ 0·81* | *0·9* | — | *12* | *2* | *25* | *37·3* | *-2·5* | *43·7* | *-1·0* | *Buxton.* |
| a, East .. *a Nottingham* | *82* | *50* | *18th* | *35* | *15, 17, 19* | *46·1* | *37·4* | *41·9* | *+ 2·6* | *11* | *20* | *6* | *1·50* | *+ 1·02* | *0·7* | — | *10* | *3* | *29* | *40·8* | *+0·6* | *43·9* | *+0·6* | Nottingham. |
| *p Birmingham, Edgbsn.* | *535* | *49* | *18th* | *35* | *19th* | *44·6* | *37·4* | *41·1* | *+ 1·9* | *7* | *19* | *6* | *1·17* | *+ 0·64* | *0·7* | — | *9* | *1* | *28* | *42·6* | *+0·3* | *47·0* | *+0·7* | Birmingham. |
| *a Raunds* | *203* | *50* | *18th* | *32* | *17th* | *46·4* | *36·3* | *41·6* | *+ 2·7* | *12* | *25* | *5* | *1·21* | — | *1·3* | — | *17* | *4* | *22* | *44·0* | • | *48·7* | • | *Raunds.* |
| *p Oxford* | *208* | *50* | *18th* | *35* | *17th* | *47·3* | *39·4* | *43·5* | *+ 3·5* | *21* | *7* | *6* | *1·22* | *+ 0·75* | *1·6* | *+ 0·2* | *21* | *2* | *28* | • | • | • | • | Oxford. |
| | | | | | | | | | | | | | | | *1·1* | — | *15* | *1* | *29* | *41·3* | *+0·8* | *45·3* | *+0·6* | Sheffield. |
| *a Cheadle* | *646* | *48* | *17, 18* | *32* | *15, 17, 19* | *43·1* | *35·4* | *39·4* | *+ 1·2* | *3* | *25* | *5* | *1·41* | *+ 0·76* | • | • | • | *3* | *29* | • | • | • | • | Cheadle. |
| *p Shrewsbury* | *191* | *51* | *18th* | *33* | *15th* | *45·9* | *37·9* | *42·1* | *+ 0·8* | *18* | *11* | *4* | *0·79* | — | • | • | • | *3* | *28* | • | • | • | • | Shrewsbury. |
| b, West .. *a Hereford§* | *291* | *51* | *18th* | *30* | *19th* | *46·4* | *35·4* | *41·1* | *+ 1·4* | *12* | *28* | *4* | *1·06* | *+ 0·53* | *1·8* | | *24* | *3* | *22* | *41·0* | • | *44·8* | • | *Malvern.§* |
| *a Cirencester* | *446* | | | | | | | | | | | *5* | *1·48* | *+ 0·88* | *1·3* | *0·0* | *17* | *1* | *29* | *42·3* | • | *45 9* | • | Cirencester. |
| *a Bath* | *66* | *52* | *17, 18* | *35* | *15th* | *49·6* | *38·4* | *44·2* | *+ 3·2* | *31* | *10* | *4* | *1·69* | *+ 1·01* | *2·4* | — | *31* | • | • | *42·9* | *-0·9* | *46·9* | *-0·8* | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| *p Kew* | *18* | *50* | *13, 18* | *34* | *17th* | *48·3* | *39·7* | *44·2* | *+ 3·7* | *25* | *6* | *6* | *1·57* | *+ 1·12* | *1·0* | *- 0·2* | *13* | *1* | *30* | *41·6* | *- 1·8* | *48·6* | *+3·0* | Canterbury. |
| *a Marlborough* | *424* | *50* | *13, 19* | *30* | *17th* | *48·0* | *36·4* | *42·4* | *+ 3·4* | *26* | *16* | *6* | *1·54* | *+ 0·87* | *1·5* | *+ 0·4* | *20* | *2* | *25* | *42·8* | *+0·3* | *46·7* | *+0·2* | Kew. |
| *a Margate* | *53* | *53* | *14th* | *37* | *17th* | *48·9* | *40·4* | *44·8* | *+ 3·4* | *26* | *4* | *6* | *1·03* | *+ 0·56* | *0·5* | *- 1·0* | *7* | *2* | *21* | *42·4* | • | *44·7* | • | Marlborough. |
| *a Wisley, Surrey* | *150* | *50* | *14, 18* | *35* | *17th* | *47·9* | *39·6* | *43·9* | *+ 3·4* | *23* | *7* | *5* | *1·61* | — | *1·2* | — | *16* | *0* | *42* | *44·7* | *+1·2* | *47·8* | *+2·1* | Margate. |
| | | | | | | | | | | | | | | | *1·2* | — | *16* | *3* | *27* | *43·3* | *+0·7* | *46·8* | *+0·6* | Wisley. |
| *p Salisbury (Wilton)* | *180* | *52* | *18th* | *30* | *17th* | *48·0* | *36·9* | *42·7* | *+ 3·0* | *26* | *14* | *7* | *2·30* | *+ 1·53* | *1·1* | — | *14* | *3* | *27* | *44·2* | *+0·6* | *48·3* | *+0·7* | Worthing. |
| *x Tunbridge Wells* | *354* | *50* | *13, 18* | *32* | *17th* | *47·7* | *38·4* | *43·2* | *+ 3·5* | *24* | *10* | *6* | *2·03* | *+ 1·36* | • | • | • | *2* | *26* | *42·7* | • | • | • | Salisbury. |
| *a Dungeness* | *21* | *51* | *14th* | *35* | *16th* | *49·0* | *40·6* | *45·0* | *+ 2·9* | *27* | *4* | *6* | *1·97* | *+ 1·47* | *0·4* | *- 1·0* | *5* | *2* | *24* | *44·3* | *+2·3* | *47·0* | • | Tunbridge Wells. |
| *p Hastings* | *178* | *52* | *14th* | *34* | *17th* | *48·9* | *41·0* | *45·1* | *+ 3·1* | *26* | *3* | *5* | *1·55* | *+ 0·90* | • | • | • | • | • | • | • | • | • | Littlestone. |
| *p Southampton* | *64* | *52* | *18th* | *34* | *17th* | *49·4* | *40·0* | *44·9* | *+ 2·8* | *29* | *6* | *5* | *2·47* | *+ 1·80* | *0·8* | *- 1·0* | *10* | *1* | *28* | *44·3* | • | *48·1* | • | *Hastings.* |
| *a Ventnor* | *59* | *52* | *14th* | *38* | *17th* | *50·0* | *43·1* | *46·7* | *+ 2·4* | *33* | *0* | *5* | *1·89* | *+ 1·22* | *1·9* | *+ 0·3* | *25* | *3* | *25* | • | • | • | • | Southampton. |
| | | | | | | | | | | | | | | | *1·8* | *+ 0·2* | *23* | • | • | • | • | • | • | Ventnor. |
| | | | | | | | | | | | | | | | *2·4* | — | *31* | *1* | *30* | *44·9* | *+0·4* | *48·4* | *+0·2* | *Portsmouth.* |
| LONDON. | | | | | | | | | | | | | | | *1·1* | *- 0·6* | *14* | • | • | *46·2* | • | *49·1* | • | Eastbourne. |
| *a Westminster* | *27* | *52* | *14, 18* | *34* | *17th* | *49·0* | *39·9* | *44·6* | *+ 4·0* | *27* | *6* | *6* | *1·16* | *+ 0·71* | *2·3* | — | *29* | • | • | *43·6* | • | *45·5* | • | *Bournemouth.* |
| *a Greenwich* | *155* | *51* | *14, 17, 18* | *35* | *17th* | *48·1* | *39·9* | *44·2* | *+ 4·0* | *24* | *6* | *6* | *1·31* | *+ 0·87* | *0·8* | *- 0·8* | *10* | *1* | *28* | • | • | *47·7* | • | *Brighton.* |
| *a Hampstead* | *450* | *48* | *13, 14, 18* | *33* | *19th* | *46·0* | *37·5* | *41·9* | — | *11* | *20* | *6* | *1·45* | — | *1·0* | *- 0·1* | *13* | *1* | *29* | • | • | • | • | *Westminster.* |
| *a Camden Square* | *110* | *50* | *13, 14, 18* | *34* | *17th* | *47·8* | *39·9* | *43·9* | — | *22* | *6* | *6* | *1·40* | — | *1·0* | — | *13* | *1* | *29* | • | • | • | • | *Greenwich.* |
| | | | | | | | | | | | | | | | *0·7* | — | *9* | *1* | *30* | • | • | • | • | *Hampstead.* |
| **7.** *a,* ENGLAND, N.W. | | | | | | | | | | | | | | | *0·7* | — | *9* | *1* | *30* | • | • | • | • | *Camden Square.* |
| *p Aspatria* | *250* | *49* | *18th* | *28* | *19th* | *44·3* | *35·9* | *40·3* | *+ 0·8* | *6* | *24* | *7* | *2·30* | *+ 1·40* | *0·7* | — | *10* | *0* | *31* | *40·2* | *+0·2* | *44·3* | *+0·5* | *Burnley.* |
| *p Newton Rigg* | *559* | *49* | *18th* | *30* | *19th* | *44·0* | *36·9* | *40·6* | *+ 2·6* | *6* | *20* | *6* | *2·03* | *+ 1·17* | *0·8* | — | *11* | • | • | • | • | • | • | Hoylake. |
| *p Stonyhurst* | *375* | *48* | *18th* | *34* | *19th* | *44·7* | *38·4* | *41·7* | *+ 2·1* | *8* | *16* | *6* | *1·82* | *+ 0·82* | *1·1* | — | *16* | *1* | *30* | *41·3* | • | *45·9* | • | Aspatria. |
| *p Blackpool* | *66* | | | | | | | | | | | | | | *1·5* | *+ 0·4* | *21* | *3* | *23* | *40·8* | *+0·3* | *43·5* | *+0·4* | Newton Rigg. |
| *a Southport* | *37* | *49* | *17, 18* | *35* | *15th* | *45·6* | *40·1* | *43·0* | *+ 2·5* | *15* | *5* | *5* | *1·28* | *+ 0·59* | *1·0* | *+ 0·1* | *14* | *3* | *23* | • | • | • | • | Stonyhurst. |
| *a Liverpool (Bidston)* | *188* | *50* | *17th* | *36* | *19th* | *45·7* | *40·0* | *43·0* | *+ 1·2* | *15* | *6* | *6* | *0·83* | *+ 0·29* | • | • | • | • | • | • | • | • | • | Blackpool. |
| *a Hawarden Bridge* | *22* | *52* | *17th* | *35* | *15, 19* | *47·0* | *39·9* | *43·6* | *+ 1·7* | *20* | *6* | *7* | *1·60* | *+ 1·19* | *0·8* | — | *11* | • | • | • | • | • | • | *Southport.* |
| *p Manchester (Whit. Pk.)* | *125* | *49* | *17, 18* | *34* | *19th* | *45·3* | *38·9* | *42·2* | *+ 2·0* | *14* | *9* | *5* | *1·56* | *+ 0·93* | *0·4* | *0·0* | *6* | • | • | • | • | • | • | *Liverpool.* |
| | | | | | | | | | | | | | | | | | | | | | | | | *Manchester (City).* |
| *b* NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | *„ (Whit. Park).* |
| *p Llandudno* | *71* | *52* | *18th* | *36* | *19th* | *47·0* | *39·9* | *43·6* | *+ 0·3* | *20* | *6* | *6* | *1·16* | *+ 0·53* | *0·6* | *- 0·6* | *8* | • | • | • | • | • | • | Llandudno. |
| *u Holyhead* | *15* | *51* | *17th* | *39* | *14th* | *47·1* | *42·3* | *44·8* | *+ 1·1* | *20* | *0* | *6* | *1·46* | *+ 0·58* | *0·9* | — | *12* | • | • | • | • | • | • | *Holyhead.* |
| *Bettws-y-Coed* | *148* | *50* | *18th* | *32* | *15, 19* | *45·7* | *37·3* | *41·7* | *- 1·3* | *10* | *20* | *5* | *2·60* | — | *0·4* | — | *5* | • | • | *42·0* | *0·0* | *46·0* | *+0·6* | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | *0·9* | — | *12* | • | • | • | • | • | • | Aberdovey |

* For notes see also opposite page. † At 3 ft. § The temperature on the grass refers to Hereford.

## II.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | **Temperature of the Air.** In Degrees Fahrenheit. | | | | | | | | | **Rainfall.** | | | **Bright Sunshine.** Hours per Day. | | | **Ground Temperature.** | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft Mean. | Earth 1 ft Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Llangammarch Wells | 550 | 50 | 17th | 30 | 15th | 45·1 | 37·0 | 41·2 | + 2·2 | 9 | 21 | 7 | 2·16 | — | 0·9 | — | 12 | 3 | 25 | 42·3 | -0·6 | 47·0 | +0·1 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 51 | 17, 19 | 37 | 15th | 48·7 | 42·0 | 45·5 | + 0·4 | 25 | 0 | 5 | 1·30 | + 0·40 | 1·6 | + 0·1 | 21 | * | * | * | * | * | * | Pembroke. |
| *p* Cardiff .. .. .. | 202 | 51 | 18th | 34 | 15th | 47·3 | 37·9 | 42·8 | + 2·5 | 23 | 11 | 5 | 2·01 | + 1·00 | *2·5* | — | *33* | 3 | 28 | 41·9 | -0·5 | 46·6 | +0·4 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 51 | 17, 18 | 36 | 15th | 47·7 | 39·6 | 43·8 | + 2·1 | 23 | 7 | 5 | 1·40 | + 0·63 | *2·0* | — | *26* | 1 | 30 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 48 | 18th | 33 | 17th | 45·6 | 35·0 | 40·5 | + 0·6 | 10 | 28 | 5 | 1·56 | + 0·79 | * | * | * | * | * | 42·5 | * | 46·4 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 49 | 18, 19 | 31 | 15th | 45·0 | 36·9 | 41·1 | - 0·4 | 8 | 21 | 7 | 1·73 | + 0·36 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | *51* | *18th* | *37* | *13th* | *48·9* | *41·0* | *45·1* | - *0·7* | *26* | *3* | 7 | *2·02* | + *1·14* | 1·9 | + 0·2 | 24 | 0 | 32 | 55·0 | * | 48·4 | * | Newquay. |
| *a* Cullompton .. .. | 202 | 52 | 18th | 34 | 15, 16 | 47·7 | 37·3 | 42·7 | + 1·2 | 25 | 13 | 7 | 1·43 | + 0·58 | 1·5 | - 0·2 | 19 | 5 | 27 | 43·6 | * | * | * | Cullompton. |
| *a* Portland Bill .. .. | 19 | 52 | 14, 18 | 43 | 15th | 50·7 | 44·9 | 47·9 | + 3·8 | 41 | 0 | 5 | 1·89 | — | *2·4* | — | *30* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 53 | 18th | 39 | 15, 17 | 49·1 | 41·1 | 45·3 | + 1·0 | 27 | 3 | 6 | 2·22 | + 1·24 | 1·5 | - 0·1 | 19 | * | * | 45·1 | -0·3 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 52 | 18th | 40 | 15, 16, 19 | 49·4 | 41·3 | 45·5 | 0·0 | 27 | 2 | 7 | 1·85 | + 0·55 | 2·1 | + 0·3 | 27 | 1 | 30 | 45·3 | * | 48·9 | * | Falmouth. |
| **9.** IRELAND. N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. *a* Malin Head .. .. | 208 | 47 | 15, 17 | 34 | 19th | 44·6 | 38·7 | 41·8 | - 0·8 | 7 | 14 | 6 | 1·06 | + 0·33 | *0·6* | — | *9* | * | * | * | * | * | * | *Malin Head.* |
| *a* Blacksod Point .. | ? | 50 | 16, 17 | 37 | 13, 19 | 45·1 | 39·9 | 42·6 | - 1·5 | 13 | 6 | 7 | 1·50 | + 0·20 | * | * | * | * | * | * | * | * | * | * |
| *p* Markree Castle .. | 122 | 50 | 17th | 27 | 19th | 44·9 | 35·6 | 40·4 | - 0·5 | 8 | 25 | 7 | 1·32 | + 0·30 | 0·8 | - 0·6 | 8 | 3 | 22 | 42·5 | * | 46·6 | * | Markree Castle |
| *a* Birr Castle .. .. | 175 | 50 | 17th | 31 | 19th | 44·4 | 35·4 | 40·1 | - 1·0 | 7 | 26 | 7 | 0·83 | + 0·12 | *0·7* | - *0·8* | *10* | * | * | * | * | * | * | *Birr Castle.* |
| *b*, East .. *p* Armagh .. .. | 196 | 49 | 17th | 27 | 19th | 43·0 | 38·0 | 39·6 | - 1·0 | 3 | 22 | 4 | 0·80 | + 0·15 | 0·4 | - 0·9 | 6 | 2 | 22 | 42·0 | +0·4 | 45·7 | +0·3 | Armagh. |
| *a* Donaghadee .. .. | 101 | 49 | 17th | 30 | 19th | 45·4 | 38·9 | 42·3 | + 0·2 | 15 | 9 | 5 | 0·71 | + 0·01 | * | * | * | * | * | * | * | * | * | * |
| | | | | | | | | | | | | | | | * | * | * | 1 | 25 | 42·6 | 0·0 | 45·5 | -0·3 | Trinity Coll. |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 1·0 | - 0·7 | 14 | 1 | 21 | * | * | * | * | Phœnix Park. |
| *a*, East .. *p* Dublin, City .. .. | 47 | 51 | 17, 18 | 33 | 19th | 45·4 | 38·4 | 42·0 | - 1·1 | 10 | 10 | 5 | 0·28 | — 0·21 | * | * | * | 1 | 30 | * | * | * | * | Dublin City. |
| *a* Kilkenny .. .. | 212 | 51 | 17th | 28 | 19th | 44·6 | 35·1 | 40·0 | - 1·2 | 7 | 27 | 5 | 0·46 | - 0·28 | * | * | * | * | * | * | * | * | * | * |
| *a* Waterford .. .. | 30 | 51 | 17th | 31 | 15th | 46·4 | 36·0 | 41·4 | - 1·2 | 12 | 25 | 4 | 0·68 | - 0·28 | * | * | * | * | * | * | * | * | * | * |
| *a Seskin, Carrick-on-Suir* | *541* | *50* | *18th* | *33* | *14–16, 19* | *44·0* | *34·9* | *39·6* | — | *6* | *27* | *6* | *0·88* | — | *1·7* | — | *22* | 1 | 28 | * | * | * | * | *Seskin.* |
| *b*, West .. *a* Birr Castle .. .. | 175 | 50 | 17th | 31 | 19th | 44·4 | 35·4 | 40·1 | - 1·0 | 7 | 26 | 7 | 0·83 | + 0·12 | 0·7 | - 0·8 | 10 | * | * | * | * | * | * | Birr Castle. |
| *a* Foynes .. .. .. | 50 | 51 | 17th | 35 | 19th | 45·0 | 37·4 | 41·4 | - 2·0 | 8 | 20 | 6 | 1·71 | + 0·71 | * | * | * | * | * | * | * | * | * | * |
| *a* Cahir .. .. .. | 199 | 49 | 18th | 31 | 15th | 45·3 | 35·9 | 40·4 | - 2·6 | 9 | 29 | 6 | 0·84 | — | * | * | * | * | * | * | * | * | * | * |
| *a* Killarney .. .. | 174 | 51 | 17th | 35 | 15th | 45·9 | 38·7 | 42·4 | - 1·5 | 17 | 9 | 6 | 2·99 | + 1·40 | * | * | * | * | * | * | * | * | * | * |
| *a* Valencia .. .. | 30 | 51 | 16, 17 | 32 | 14th | 47·6 | 40·0 | 44·0 | - 2·0 | 22 | 6 | 6 | 1·69 | + 0·25 | 1·6 | + 0·2 | 21 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. .. | 32 | 50 | 16, 17 | 35 | 15th | 46·6 | 38·9 | 42·9 | - 2·2 | 19 | 9 | 7 | 0·82 | - 0·37 | 1·9 | — | 25 | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 52 | 18th | 40 | 15th | 50·0 | 43·6 | 46·9 | - 1·2 | 34 | 0 | 7 | 1·31 | + 0·41 | 2·3 | + 0·6 | 29 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 52 | 13th | 40 | 17th | 50·7 | 44·7 | 47·8 | + 2·6 | 41 | 0 | 7 | 2·05 | + 1·15 | 0·6 | - 1·5 | 8 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 52 | 14, 18 | 41 | 17th | 50·1 | 44·0 | 47·2 | + 1·3 | 36 | 0 | 6 | 2·29 | + 1·31 | 1·2 | - 0·3 | 15 | 0 | 32 | 47·0 | +0·4 | 50·1 | +0·3 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 1·6 hrs. 20 %; Ramsgate, 0·6 hrs. 8 %; Rhyl, 0·3 hrs. 4 %; Salcombe, 1·8 hrs. 23 %; Tenby, 2·4 hrs. (+0·9) 31 %; Torquay, 2·1 hrs. (+0·4) 27 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Dec. 19th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick* .. .. .. | 45 | 44 | 44·6 | -1·8 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 44 | 40 | 42·5 | -2·1 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 40 | 38 | 39·1 | -4·1 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | — | — | — | — |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 48 | 46 | 47·0 | -0·1 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 49 | 48 | 48·4 | -0·5 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 50 | 49 | 49·7 | — |
| Plymouth‡ .. .. | 50 | 49 | 49·9 | +0·4 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 47 | 46 | 46·7 | +1·6 |
| Seafield .. .. | — | — | — | — |

* Four days only. ‡ Only one observation each day.

## IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, December 19th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time. |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | 13th | 1 | 92 | 75 | E. by N. 11 | 13th 24h. | 22 13th 16. 50 |
| Aberdeen* .. .. | 105 | 13th | 11 | 13, 14 | 24 | 65 | 68 | S. 19 | 13th 18h. | 26 13th 16. 10 |
| Rosyth .. .. | 73 | — | — | — | — | — | — | — — | — — | — — — |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 13, 17 | 16 | 70 | 82 | SSW. 17 | 17th 15h. | 25 17th 16. 35 |
| Paisley (Coats Obs.) | 80 | — | — | 17th | 5 | 44 | 119 | SW. by S. 13 | 17th 16h. | 25 17th 15. 0 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | 13th | 6§ | 37§ | 122§ | ESE. 12 | 13th 14h. | 21 13th 13. 55 |
| South Shields .. | 61 | 13th | 1 | 13th | 18 | 59 | 90 | ESE. 7 | 13th 15h. | 23 13th 15. 55 |
| Spurn Head .. | 40 | — | — | 13, 16 to 19 | 23§ | 85§ | 52§ | E. by S. 13 | 13th 5h. | 19 13th 5. 20 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 13, 14, 17, 18 | 42 | 52 | 74 | — 15 | 13th 14h. | 21 13th 16. 55 |
| Shoeburyness .. | 90 | — | — | 13, 14, 17 to 19 | 36 | 86 | 46 | S. 14 | 13th 12h. | 19 13th 11. 50 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Benson .. .. | 84 | — | — | 18th | 10 | 74 | 84 | SSW. 12 | 18th 7h. | 18 18th 7. 55 |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | 13, 18 | 4 | 13, 14, 16 to 19 | 63 | 87 | 14 | — 19 | 18th 15h. | 26 13th 11. 25 |
| Warlingham .. | 33 | — | — | 13, 17, 18 | 17 | 74 | 77 | — 13 | 18th 7h. | 23 18th 10. 30 |
| Brighton .. .. | 53 | — | — | 13, 17 to 19 | 22§ | 66§ | 44§ | — 13 | 13th 11h. | 22 13th 10. 30 |
| Kew† .. .. | 65 | — | — | — | — | 46 | 122 | SSW. 9 | 18th 8h. | 18 18th 7. 30 |
| South Kensington | 92 | — | — | — | — | 5 | 163 | SW. 6 | 18th 9h. | 12 18th 10. 15 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | 25 | 143 | S. by W. 8 | 17th 18h. | 13 17th 19. 0 |
| Southport .. .. | 62 | — | — | 16, 17 | 10 | 87 | 71 | NW. 12 | 16th 13h. | 19 17th 16. 50 |
| Holyhead* .. .. | 40 | — | — | 13, 15 to 19 | 44 | 71 | 53 | SW. by S. 16 | 17th 15h. | 25 17th 14. 0 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle* | 65 | 17 to 19 | 21§ | 15, 17 to 19 | 13§ | 62§ | 54§ | SSW. 22 | 18th 3h. | 27 18th 2. 50 |
| Plymouth .. .. | 86 | — | — | 13, 17 to 19 | 24 | 21 | 120 | — 17 | 18th 2h. | 21 18th 4. 50 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | — | — | 15 to 17, 19 | 48 | 71 | 49 | — 17 | 15th 17h. | 23 17th 11. 45 |
| Weaver Pt. .. | 30 | — | — | 13, 15, 17 | 26 | 49 | 93 | — 17 | 17th 13h. | 25 17th 11. 40 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly* .. .. | 19 | 15th | 5 | 14 to 19 | 70 | 50 | 43 | WNW. 18 | 15th 15h. | 24 15th 16. 5 |

## NOTES ON TABLES II. and III.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day. The rims of the gauges are 1 foot above the ground.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907–1911, but in some cases for 1908–1911, or 1909–1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

## NOTES ON TABLE IV.

All the records were obtained from instruments of the Dines' Pressure Tube type with the exception of those from Carnforth which were taken from an anemobiagraph.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

* Wind Direction at these stations is taken from the Robinson Instrument.

† Until May 9th the anemograph was about ½ mile East of the Observatory with a vane 40 ft. above ground. The instrument now used is on the Observatory Building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

## [Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**FIFTIETH WEEK**—December 13th to December 19th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Means of | | | | Accumulated Number of Day-Degrees. | | | | | | | | | | | |
| | Highest. | Lowest. | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr | hr. | % | mb. |
| 0 SCOTLAND, NORTH ... | 49 | 26 | 43·1 | 34·9 | 39·2 | + 0·2 | 3 | − 6 | 27 | − 2 | 5 | − 1 | 1·48 | +0·06 | 0·7 | 0·0 | 10 | 993 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 51 | 22 | 43·2 | 34·1 | 38·9 | + 1·0 | 3 | − 5 | 30 | − 8 | 4 | − 1 | 1·30 | +0·62 | 1·5 | +0·5 | 23 | 993 |
| 2. ENGLAND, N.E. . ... | 50 | 28 | 45·2 | 38·1 | 41·8 | + 2·6 | 9 | 0 | 17 | −13 | 6 | + 3 | 0·87 | +0·29 | 1·3 | 0·0 | 18 | 994 |
| 3. ENGLAND, EAST ... | 51 | 32 | 46·3 | 38·5 | 42·6 | + 3·6 | 19 | + 9 | 10 | −24 | 6 | + 2 | 1·63 | +1·17 | 0·9 | −0·5 | 12 | 996 |
| 4 MIDLAND COUNTIES ... | 52 | 30 | 45·7 | 37·2 | 41·7 | + 2·9 | 10 | − 1 | 21 | −15 | 5 | + 1 | 1·23 | +0·69 | 1·3 | +0·1 | 16 | 995 |
| 5. ENGLAND, S.E. ... ... | 53 | 30 | 48·6 | 39·6 | 44·3 | + 3·2 | 26 | + 9 | 7 | −16 | 6 | + 2 | 1·80 | +1·20 | 1·2 | −0·3 | 15 | 997 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 50 | 27 | 44·4 | 37·0 | 40·9 | + 0·1 | 7 | − 6 | 21 | − 1 | 6 | + 1 | 1·07 | −0·18 | 0·5 | −0·5 | 7 | 993 |
| 7. ENGLAND, N.W. ... ... | 52 | 28 | 45·4 | 38·9 | 42·3 | + 1·7 | 15 | + 2 | 9 | −15 | 6 | + 1 | 1·59 | +0·80 | 1·0 | 0·0 | 13 | 993 |
| 8. ENGLAND, S.W. ... ... | 53 | 30 | 47·6 | 39·3 | 43·6 | + 1·0 | 23 | + 2 | 8 | − 8 | 6 | + 1 | 1·76 | +0·70 | 1·5 | 0·0 | 19 | 996 |
| 9. IRELAND, NORTH ... | 50 | 27 | 44·6 | 37·4 | 41·1 | 0·0 | 7 | − 7 | 19 | − 3 | 6 | + 1 | 1·04 | +0·16 | 0·5 | −0·8 | 7 | 992 |
| 10. IRELAND, SOUTH ... | 51 | 28 | 45·7 | 37·2 | 41·6 | − 1·4 | 10 | − 13 | 20 | + 4 | 6 | + 1 | 1·14 | +0·11 | 1·3 | −0·3 | 17 | 995 |
| 11. ENGLISH CHANNEL ... | 52 | 40 | 50·3 | 44·1 | 47·3 | + 1·1 | 37 | + 3 | 0 | − 4 | 7 | + 2 | 1·88 | +0·95 | 1·4 | −0·5 | 17 | 998 |

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 3 Weeks, November 29th to December 19th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 56 | 26 | * | * | * | * | 16 | − 15 | 76 | − 6 | 17 | 0 | 7·51 | +3·14 | 0·3 | −0·4 | 5 | 990 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 56 | 22 | * | * | * | * | 18 | − 10 | 86 | −17 | 15 | + 2 | 4·80 | +2·65 | 1·0 | −0·1 | 15 | 992 |
| 2. ENGLAND, N.E. ... ... | 59 | 28 | * | * | * | * | 50 | + 16 | 44 | −33 | 16 | + 4 | 2·61 | +0·99 | 1·2 | −0·2 | 16 | 996 |
| 3. ENGLAND, EAST ... | 58 | 27 | * | * | * | * | 80 | + 42 | 22 | −67 | 17 | + 5 | 3·89 | +2·39 | 1·2 | −0·3 | 16 | 1001 |
| 4. MIDLAND COUNTIES ... | 59 | 26 | * | * | * | * | 54 | + 15 | 49 | −44 | 16 | + 4 | 3·86 | +2·19 | 1·2 | −0·1 | 15 | 999 |
| 5. ENGLAND, S.E. ... ... | 56 | 27 | * | * | * | * | 101 | + 44 | 16 | −46 | 19 | + 7 | 6·07 | +4·12 | 1·2 | −0·3 | 15 | 1002 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 55 | 27 | * | * | * | * | 39 | − 6 | 49 | − 9 | 17 | + 3 | 5·23 | +1·38 | 0·5 | −0·6 | 7 | 992 |
| 7. ENGLAND, N.W. ... ... | 60 | 28 | * | * | * | * | 60 | + 14 | 22 | −36 | 18 | + 4 | 4·74 | +2·19 | 0·7 | −0·4 | 10 | 995 |
| 8. ENGLAND, S.W. ... ... | 56 | 27 | * | * | * | * | 90 | + 20 | 18 | −27 | 19 | + 5 | 5·94 | +2·72 | 1·3 | −0·3 | 17 | 999 |
| 9. IRELAND, NORTH ... | 56 | 26 | * | * | * | * | 44 | − 3 | 50 | − 6 | 19 | + 3 | 4·70 | +2·04 | 0·9 | −0·5 | 11 | 990 |
| 10. IRELAND, SOUTH ... | 57 | 26 | * | * | * | * | 68 | − 6 | 41 | − 3 | 19 | + 4 | 5·61 | +2·65 | 1·6 | 0·0 | 21 | 994 |
| 11. ENGLISH CHANNEL ... | 56 | 33 | * | * | * | * | 130 | + 19 | 0 | − 9 | 20 | + 5 | 6·29 | +3·40 | 1·3 | −0·6 | 16 | 1001 |

THE YEAR.—Aggregates, &c., for the Period of 50 Weeks, January 4th, 1914, to December 19th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 2276 | +179 | 538 | −193 | 230 | − 7 | 47·46 | −2·51 | 3·1 | 0·0 | 25 | 1009 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 14 | * | * | * | * | 2555 | +215 | 691 | −153 | 188 | − 8 | 30·03 | +0·44 | 3·9 | +0·1 | 31 | 1011 |
| 2. ENGLAND, N.E. ... ... | 85 | 24 | * | * | * | * | 3077 | +451 | 405 | −211 | 173 | − 4 | 23·01 | −0·87 | 4·3 | +0·2 | 35 | 1012 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 3440 | +409 | 380 | −305 | 170 | − 2 | 22·98 | +0·20 | 4·7 | +0·2 | 38 | 1014 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 3264 | +320 | 501 | −217 | 169 | − 1 | 25·94 | +0·68 | 4·1 | +0·1 | 34 | 1014 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 3566 | +263 | 314 | −178 | 167 | + 2 | 30·22 | +4·31 | 5·1 | +0·6 | 41 | 1014 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 2757 | +195 | 436 | −112 | 201 | − 4 | 41·17 | −4·79 | 3·8 | −0·1 | 31 | 1011 |
| 7. ENGLAND, N.W. ... ... | 86 | 22 | * | * | * | * | 3103 | +300 | 299 | −192 | 189 | − 1 | 33·92 | +0·46 | 4·2 | +0·3 | 34 | 1013 |
| 8. ENGLAND, S.W. ... ... | 86 | 16 | * | * | * | * | 3383 | +225 | 267 | −116 | 196 | + 7 | 41·90 | +5·10 | 4·6 | +0·2 | 37 | 1014 |
| 9. IRELAND, NORTH ... | 80 | 17 | * | * | * | * | 2878 | +200 | 359 | − 99 | 219 | − 4 | 35·92 | −0·74 | 3·6 | 0·0 | 29 | 1011 |
| 10. IRELAND, SOUTH ... | 81 | 23 | * | * | * | * | 3338 | +229 | 267 | − 83 | 215 | +16 | 40·55 | +2·43 | 4·1 | 0·0 | 33 | 1013 |
| 11. ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 3949 | +215 | 75 | − 45 | 191 | −11 | 36·11 | +4·96 | 5·1 | −0·3 | 41 | 1015 |

M.O., December 23, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 201

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 51. FIFTY-FIRST WEEK, SUNDAY, DECEMBER 20TH, TO SATURDAY, DECEMBER 26TH, 1914. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

The weather was cold until the 25th, and hoar frost occurred in Scotland on the first three or four days of the week. Except in the extreme north of Scotland the precipitation was again in excess of the normal. In Scotland East the mean temperature was nearly 7° below the average. At Balmoral on the 22nd the thermometer in the screen fell to 7° F., and on the same day or later minima below 20° were recorded in other parts of Scotland and also in Ireland. The mildest day was the 26th, when maximum readings of 50° or a little higher were registered except in the north-east and east. The rain was very heavy in Ireland and Scotland on the 25th, many places reporting more than an inch; among some of the heaviest falls were 1·4 in. at Roche's Point, 1·5 in. at Waterford, Douglas and Crathes, and 1·6 in. at Carrick-on-Suir and Colmonell. Snow fell on several occasions in all the more northern districts. At Armagh the depth on the 21st was 8 in. A heavy glazed frost occurred at West Witton on the 22nd and 23rd causing several accidents locally, one of which was fatal. Glazed frost was also reported from Douglas on 23rd and 24th. Thick fog prevailed in various parts of the Kingdom during the 24th, especially in some of the Metropolitan districts, and in the evening thick rime was formed in many places in England and Ireland. The duration of bright sunshine exceeded the average; in England South-West the excess was nearly 2 hours per day.

### THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Deficient | Very deficient | Deficient | Moderate | Moderate | Deficient | Deficient | Deficient | Deficient | Deficient | Very deficient | Deficient |
| | Rainfall ... | Light | Moderate | Heavy | Heavy | Heavy | Heavy | Moderate | Moderate | Heavy | Moderate | Heavy | Heavy |
| | Sunshine ... | Very abundant | Abundant | Abundant | Moderate | Moderate | Moderate | Abundant | Very abundant | Very abundant | Moderate | Abundant | Moderate |

### THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 4 weeks from Nov. 29th, 1914. | Warmth ... | 0*1 | 0*1 | 1*1 | 3*0 | 1*0 | 3*1 | 1*1 | 1*1 | 1*1 | 1*1 | 0*2 | 1*1 |
| | Rainfall ... | 2*1 | 3*0 | 4*0 | 3*0 | 4*0 | 4*0 | 1*0 | 2*0 | 4*0 | 2*0 | 3*0 | 4*0 |
| | Sunshine ... | 1*2 | 2*1 | 1*0 | 0*2 | 0*1 | 0*1 | 1*3 | 1*2 | 1*1 | 0*2 | 1*1 | 0*3 |

### PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6*3 | 7*2 | 7*2 | 9*3 | 7*4 | 7*4 | 4*2 | 8*3 | 7*4 | 7*2 | 7*4 | 6*4 |
| | Rainfall ... | 5*2 | 5*4 | 1*7 | 3*9 | 2*8 | 3*5 | 5*4 | 5*6 | 3*5 | 5*5 | 4*6 | 5*7 |
| | Sunshine ... | 3*1 | 2*2 | 1*2 | 3*4 | 2*6 | 4*4 | 2*6 | 2*0 | 3*5 | 1*9 | 1*7 | 2*5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3*1 | 6*0 | 8*1 | 8*2 | 6*1 | 7*1 | 5*3 | 5*1 | 8*1 | 6*3 | 6*2 | 9*1 |
| | Rainfall ... | 5*2 | 5*5 | 4*6 | 4*5 | 4*5 | 5*4 | 6*4 | 4*5 | 7*6 | 5*5 | 4*6 | 6*5 |
| | Sunshine ... | 4*4 | 4*2 | 3*2 | 6*5 | 4*5 | 4*1 | 4*2 | 4*2 | 4*2 | 4*4 | 4*4 | 4*4 |
| SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. | Warmth ... | 5*0 | 6*3 | 6*1 | 6*1 | 5*2 | 5*2 | 7*2 | 5*1 | 5*2 | 6*1 | 4*2 | 5*3 |
| | Rainfall ... | 2*4 | 2*4 | 3*5 | 3*5 | 3*4 | 2*4 | 2*7 | 4*3 | 5*3 | 2*7 | 4*2 | 7*3 |
| | Sunshine ... | 6*2 | 4*3 | 4*5 | 5*3 | 6*5 | 5*2 | 3*4 | 6*4 | 3*5 | 5*3 | 4*4 | 1*6 |
| AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks. | Warmth ... | 4*3 | 4*2 | 6*3 | 5*2 | 5*2 | 4*4 | 4*4 | 6*3 | 4*3 | 7*3 | 4*2 | 4*3 |
| | Rainfall ... | 3*8 | 4*8 | 3*6 | 2*5 | 2*5 | 3*5 | 3*7 | 5*7 | 3*6 | 3*8 | 4*7 | 3*3 |
| | Sunshine ... | 3*4 | 4*5 | 3*5 | 3*3 | 4*5 | 6*2 | 2*4 | 6*2 | 4*5 | 2*4 | 3*4 | 3*5 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905, An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**
**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**
**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(3607—19.) Wt. 229—611. 450. 12/14. D & S. G. 20/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts | Grass Min. Lowest Reading. | Earth 1 ft. Mean | Earth 1 ft. Difference from Average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from Average. | |
| **0.** SCOTLAND, N. | Ft. | ° | | ° | | ° | ° | ° | ° | day ° | day ° | | in. | in. | hr. | hr. | % | | | ° | ° | ° | ° | |
| *a*, Islands .. | *p Baltasound* .. .. | *31* | *45* | *25th* | *29* | *22nd* | *41·3* | *33·5* | *37·6* | — | *0* | *31* | *6* | *0·43* | — | *0·5* | — | *2* | | | | | | *Baltasound.* |
| | *a* Lerwick .. .. | 54 | 45 | 25, 26 | 32 | 22nd | 42·1 | 34·1 | 39·2 | - 1·0 | 0 | 21 | 6 | 0·65 | — | 1·2 | + 0·4 | 20 | * | * | * | * | * | * | Deerness. |
| | *a* Stornoway .. .. | 51 | 51 | 26th | 26 | 22-25 | 41·4 | 28·9 | 35·4 | - 4·4 | 0 | 46 | 3 | 0·51 | - 0·94 | 1·8 | + 1·0 | 30 | * | * | * | * | * | * | Stornoway. |
| | *a Castlebay, Barra Isd.* .. | *37* | *60* | *26th* | *36* | *20, 21* | *45·6* | *38·3* | *42·1* | - *0·6* | *16* | *10* | *4* | *0·71* | — | *1·2* | — | *19* | | | | | | | *Castlebay.* |
| *b*, Mainland. | *a* Wick .. .. | 81 | 44 | 25, 26 | 22 | 22, 23 | 40·3 | 27·4 | 34·1 | - 4·9 | 0 | 55 | 4 | 0·17 | - 0·50 | * | * | * | * | * | * | * | * | * | * |
| | *p* Strathpeffer .. .. | 200 | 48 | 26th | 18 | 22nd | 37·6 | 22·4 | 30·3 | - 6·8 | 0 | 82 | 2 | 0·13 | - 0·65 | 1·5 | + 0·5 | 23 | * | * | * | * | * | * | Strathpeffer. |
| | *p* Glencarron .. .. | 500 | | | | | | | | | | | 2 | 0·83 | - 1·55 | * | * | * | * | * | * | * | * | * | * |
| | *p* Fort Augustus.. .. | 68 | 49 | 26th | 18 | 24th | 37·6 | 25·4 | 31·7 | - 6·7 | 0 | 72 | 3 | 0·59 | - 0·71 | 0·1 | - 0·2 | 2 | * | * | * | * | * | * | Fort Augustus. |
| | *p* Fort William .. .. | 171 | 47 | 26th | 20 | 24, 25 | 36·3 | 25·6 | 31·2 | - 8·8 | 0 | 76 | 3 | 1·77 | - 0·49 | * | * | * | * | * | * | * | * | * | * |
| **1.** SCOTLAND, E. | | | | | | | | | | | | | | | | 0·7 | — | 11 | 6 | 11 | 34·1 | -4·3 | 39·8 | -0·8 | |
| | *p* Gordon Castle .. .. | 101 | 45 | 23th | 20 | 22nd | 37·6 | 26·1 | 32·1 | - 6·3 | 0 | 69 | 2 | 0·27 | - 0·35 | *1·6* | — | *25* | * | * | * | * | * | * | Crathes S. |
| | *a* Nairn .. .. .. | 82 | 46 | 26th | 16 | 23rd | 33·6 | 20·0 | 27·1 | -10·4 | 0 | 104 | 2 | 0·16 | - 0·34 | 1·4 | — | 22 | * | * | * | * | * | * | *Gordon Castle.* |
| | *a* Aberdeen .. .. | 46 | 45 | 26th | 21 | 25th | 36·7 | 24·6 | 30·9 | - 7·2 | 0 | 78 | 4 | 0·88 | + 0·23 | 1·2 | 0·0 | 19 | * | * | * | * | * | * | Nairn. |
| | *a* Balmoral .. .. | 930 | 43 | 26th | 7 | 22nd | 34·0 | 14·7 | 21·7 | -10·1 | 0 | 121 | 3 | 0·99 | + 0·27 | * | * | * | 7 | 5 | * | * | * | * | Aberdeen. |
| | *p* Crieff .. .. .. | 432 | 44 | 26th | 21 | 21st | 36·6 | 25·0 | 31·0 | - 6·6 | 0 | 77 | 2 | 1·37 | + 0·43 | 2·4 | — | 36 | * | * | * | * | * | * | Balmoral. |
| | *a* Leith .. .. .. | 18 | 48 | 26th | 25 | 21st | 41·0 | 28·9 | 35·2 | - 4·3 | 0 | 48 | 4 | 0·36 | - 0·06 | * | * | * | * | * | * | * | * | * | Balruddery. |
| | *a* West Linton .. .. | 769 | 45 | 26th | 17 | 21st | 36·7 | 26·1 | 31·6 | - 5·1 | 0 | 73 | 5 | 0·52 | — | *1·1* | — | *16* | 6 | 11 | * | * | * | * | *West Linton.* |
| | *p* Marchmont .. .. | 498 | 42 | 26th | 23 | 21st | 38·0 | 28·3 | 33·3 | - 3·6 | 0 | 61 | 5 | 0·70 | + 0·13 | 1·7 | + 1·5 | 25 | 7 | 19 | * | * | * | * | Marchmont. |
| | *a Edinburgh* .. .. | *441* | *53* | *26th* | *28* | *21st* | *40·7* | *31·1* | *36·1* | — | *0* | *41* | *5* | *0·43* | — | 1·8 | — | 27 | 6 | 17 | * | * | * | * | Edinburgh. |
| **6.** *a* SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | *a* Poltalloch .. .. | 132 | 46 | 25, 26 | 23 | 24, 25 | 39·3 | 28·3 | 34·0 | - 5·8 | 0 | 56 | 2 | 1·72 | + 0·47 | * | * | * | * | * | * | * | * | * | * |
| | *p* Glasgow Observatory | 180 | 46 | 26th | 28 | 21, 23, 24 | 39·0 | 30·3 | 34·8 | - 4·5 | 0 | 50 | 3 | 0·58 | - 0·32 | 0·8 | + 0·3 | 12 | 6 | 20 | * | * | * | * | Glasgow. |
| | *p* Rothesay‡ .. .. | 170 | 46 | 26th | 31 | 24th | 42·1 | 33·7 | 38·1 | - 2·1 | 0 | 31 | 3 | 0·95 | - 0·15 | *2·1* | — | *31* | 6 | 22 | 36·4 | * | 43·7 | -0·2 | *Rothesay.* |
| | *a* Kilmarnock .. .. | 90 | 49 | 26th | 19 | 24th | 39·9 | 27·3 | 33·9 | - 6·3 | 0 | 57 | 3 | 0·50 | — | *1·2* | — | *17* | * | * | * | * | * | * | *Kilmarnock.* |
| | *a* Colmonell .. .. | 170 | 48 | 25th | 23 | 24th | 42·3 | 28·6 | 35·7 | - 5·6 | 1 | 49 | 3 | 2·07 | + 0·92 | * | * | * | 6 | 18 | * | * | * | * | * |
| | *p* Dumfries .. .. | 160 | 47 | 26th | 26 | 20th | 38·9 | 29·3 | 34·3 | - 4·4 | 0 | 54 | 2 | 0·89 | + 0·02 | *1·7* | — | *24* | 6 | 23 | 36·1 | * | 42·7 | * | *Dumfries.* |
| | *p* Cally, Gatehouse .. | 120 | 47 | 26th | 24 | 25th | 40·4 | 27·3 | 34·1 | - 4·8 | 0 | 55 | 4 | 1·11 | - 0·09 | * | * | * | * | * | * | * | * | * | * |
| *b*, I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | *p* Douglas .. .. .. | 277 | 50 | 26th | 31 | 24th | 43·6 | 36·0 | 40·0 | - 1·9 | 4 | 24 | 4 | 2·05 | + 0·97 | 2·8 | + 1·5 | 39 | 5 | 26 | * | * | * | * | Douglas. |
| **2.** ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | *a* Alnwick Castle .. | 210 | 44 | 26th | 23 | 21st | 40·1 | 27·4 | 34·0 | - 4·7 | 0 | 56 | 5 | 0·95 | + 0·32 | 2·1 | — | 30 | 7 | 18 | 34·5 | -3·7 | 41·8 | +0·4 | Cockle Park. |
| | *a* Tynemouth .. .. | 71 | 44 | 21, 23, 26 | 28 | 20, 21 | 41·4 | 30·9 | 36·4 | - 2·9 | 0 | 39 | 5 | 0·71 | + 0·27 | * | * | * | * | * | * | * | * | * | *Tynemouth.* |
| | *p* Durham .. .. | 336 | 43 | 26th | 25 | 20, 25 | 38·0 | 28·1 | 33·3 | - 4·5 | 0 | 61 | 5 | 0·76 | + 0·36 | 1·5 | + 0·2 | 21 | 6 | 19 | * | * | * | * | Durham. |
| *a*, North .. | *p* Rounton .. .. | 249 | 44 | 26th | 25 | 25th | 38·1 | 28·6 | 33·5 | - 4·1 | 0 | 60 | 5 | 1·01 | + 0·59 | * | * | * | 7 | 21 | 36·8 | * | * | * | Rounton. |
| | *a West Witton* .. | *605* | *45* | *26th* | *24* | *25, 26* | *38·4* | *28·3* | *33·6* | — | *0* | *59* | *6* | *1·06* | — | * | * | * | 7 | 20 | 37·1 | * | 42·1 | * | *West Witton.* |
| | *p* Scarborough .. .. | 100 | 45 | 21, 22 | 29 | 26th | 42·0 | 34·9 | 38·6 | - 1·0 | 0 | 24 | 6 | 0·71 | + 0·21 | 1·9 | — | 27 | * | * | * | * | 45·0† | * | Scarborough. |
| | *p* York .. .. .. | 56 | 44 | 26th | 26 | 25th | 39·7 | 30·4 | 35·2 | - 3·0 | 0 | 48 | 6 | 0·79 | + 0·37 | 1·2 | + 0·4 | 17 | * | * | 39·4 | -1·7 | 44·9 | +0·6 | York. |
| | | | | | | | | | | | | | | | | *0·6* | — | *9* | 7 | 21 | 36·1 | -3·9 | 45·0 | +0·3 | *Hull.* |
| | *a* Spurn Head .. .. | 26 | 44 | 21, 23 | 30 | 25, 26 | 42·0 | 34·0 | 38·2 | - 1·6 | 0 | 27 | 4 | 0·64 | + 0·24 | *1·9* | — | *27* | * | * | * | * | * | * | *Spurn Head.* |
| *b*, South .. | *a* Lincoln .. .. | 58 | 46 | 26th | 25 | 25th | 39·7 | 30·3 | 35·2 | - 2·7 | 0 | 48 | 5 | 0·81 | + 0·29 | * | * | * | * | * | 36·1 | -4·5 | 44·4 | -0·1 | Lincoln. |
| | *a* Fulbeck .. .. | 180 | 46 | 26th | 23 | 25th | 38·0 | 28·6 | 33·5 | - 4·2 | 0 | 60 | 5 | 0·86 | + 0·41 | 1·6 | — | *22* | 7 | 21 | 38·3 | -2·6 | 45·8 | +0·5 | Rauceby. |
| | | | | | | | | | | | | | | | | 2·1 | — | 29 | * | * | * | * | * | * | Skegness. |
| **3.** ENGLAND, E. | | | | | | | | | | | | | | | | *1·5* | — | *20* | 4 | 23 | 39·4 | -1·9 | 45·2 | +0·1 | *Lowestoft.* |
| | *p* Cromer .. .. .. | 196 | 46 | 24th | 26 | 25th | 41·3 | 33·6 | 37·6 | 0·0 | 0 | 31 | 6 | 0·42 | — | 1·5 | — | 21 | * | * | * | * | * | * | Cromer. |
| | *p* Little Massingham .. | 280 | 42 | 22nd | 26 | 25th | 38·1 | 30·3 | 34·4 | - 3·3 | 0 | 53 | 4 | 0·77 | + 0·23 | 1·8 | + 0·5 | 24 | 7 | 22 | * | * | * | * | Lit. Massingham. |
| *a*, North .. | *a* Yarmouth .. .. | 17 | 46 | 20th | 21 | 26th | 42·4 | 31·6 | 37·2 | - 1·5 | 1 | 38 | 4 | 0·48 | 0·00 | 1·2 | — | 16 | * | * | 39·4 | -1·4 | 43·9 | +1·6 | Yarmouth. |
| | *a* Norwich .. .. | 93 | 42 | 26th | 26 | 25th | 39·3 | 31·6 | 35·6 | - 2·9 | 0 | 45 | 7 | 0·51 | — | *0·7* | — | *10* | 7 | 23 | 37·2 | * | * | * | *Norwich.* |
| | *a* Geldeston .. .. | 37 | 45 | 26th | 25 | 25, 26 | 42·3 | 31·4 | 37·1 | - 1·5 | 1 | 39 | 6 | 0·51 | + 0·05 | 1·6 | + 0·1 | 22 | * | * | * | * | * | * | Geldeston. |
| | *p* Cambridge .. .. | 41 | 41 | 22, 26 | 26 | 24, 25 | 38·9 | 29·9 | 34·6 | - 3·5 | 0 | 52 | 6 | 0·59 | + 0·25 | 1·1 | - 0·2 | 15 | 6 | 20 | 38·8 | -2·5 | 45·6 | +0·2 | Cambridge. |
| | *a Felixstowe* .. .. | *10* | *45* | *20th* | *27* | *25, 26* | *41·3* | *32·3* | *37·0* | - *2·6* | *0* | *35* | *6* | *0·67* | — | *1·1* | — | *15* | * | * | * | * | * | * | *Felixstowe.* |
| | *a* Clacton-on-Sea .. | 54 | 44 | 20th | 27 | 25th | 41·0 | 31·7 | 36·5 | - 2·8 | 0 | 39 | 5 | 0·47 | — | 1·1 | — | 15 | 4 | 25 | 40·6 | -2·9 | 46·8 | -0·5 | Clacton. |
| *b*, South .. | *a* Rothamsted .. .. | 424 | 48 | 26th | 25 | 25th | 41·3 | 29·7 | 35·7 | - 2·5 | 0 | 44 | 7 | 0·84 | + 0·31 | 1·9 | + 0·6 | 25 | * | * | * | * | * | * | Rothamsted. |
| | *a Shoeburyness* .. .. | *13* | *45* | *20th* | *29* | *25th* | *41·3* | *32·4* | *37·0* | - *2·7* | *0* | *35* | *7* | *0·64* | + *0·31* | *1·6* | — | *21* | 7 | 26 | 40·6 | -2·3 | * | * | *Southend.* |
| | *p* Tottenham .. .. | 51 | 45 | 21st | 29 | 25th | 40·7 | 33·0 | 37·0 | - 2·3 | 0 | 35 | 4 | 0·68 | — | 0·8 | — | 11 | * | * | * | * | 46·7 | 0·0 | Tottenham. |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | | | | | | | *0·5* | — | *7* | 6 | 20 | 37·1 | -2·9 | 44·0 | +0·7 | *Hudderafield.* |
| | *a* Harrogate .. .. | 479 | 45 | 26th | 22 | 25th | 38·4 | 28·6 | 33·7 | - 4·0 | 0 | 58 | 5 | 1·03 | + 0·45 | 1·4 | — | 20 | 7 | 20 | 38·1 | -2·7 | 42·5 | +0·3 | Harrogate. |
| | *a* Bawtry .. .. | 65 | 51 | 26th | 25 | 21st | 39·6 | 29·0 | 34·5 | - 3·7 | 0 | 53 | 3 | 0·58 | + 0·16 | 1·3 | + 0·3 | 18 | 7 | 20 | 37·0 | * | 43·3 | * | Worksop. |
| | *p Buxton* .. .. | *987* | *41* | *26th* | *22* | *25th* | *37·1* | *28·9* | *33·2* | - *3·5* | *0* | *62* | *5* | *0·75* | - *0·43* | *1·7* | — | *23* | 7 | 19 | 36·0 | -3·7 | 43·0 | -1·2 | *Buxton.* |
| *a*, East .. | *a* Nottingham .. .. | 82 | 46 | 26th | 23 | 25th | 40·0 | 30·0 | 35·2 | - 3·4 | 0 | 48 | 4 | 0·65 | + 0·17 | 1·2 | — | 16 | 7 | 26 | 35·3 | -4·8 | 42·6 | -0·4 | Nottingham. |
| | *p* Birmingham, Edgbsn. | 535 | 46 | 26th | 25 | 25th | 38·0 | 30·1 | 34·2 | - 4·1 | 0 | 55 | 5 | 1·01 | + 0·51 | 0·8 | — | 11 | 6 | 17 | 38·9 | -3·4 | 46·4 | +0·4 | Birmingham. |
| | *a* Raunds .. .. .. | 203 | 45 | 20th | 23 | 25th | 39·6 | 27·9 | 34·0 | - 4·2 | 0 | 56 | 3 | 0·43 | — | *2·4* | — | *32* | 7 | 17 | 41·9 | * | 48·0 | * | *Raunds.* |
| | *p* Oxford .. .. .. | 208 | 46 | 26th | 20 | 25th | 40·4 | 30·7 | 35·7 | - 3·6 | 0 | 44 | 5 | 0·86 | + 0·41 | 2·2 | + 0·9 | 29 | 7 | 22 | * | * | * | * | Oxford. |
| | | | | | | | | | | | | | | | | 1·1 | — | 15 | 7 | 22 | 38·6 | -1·8 | 44·7 | +0·4 | Sheffield. |
| | *a* Cheadle .. .. .. | 646 | 45 | 26th | 27 | 25th | 39·0 | 29·6 | 34·5 | - 2·9 | 0 | 53 | 4 | 1·17 | + 0·52 | * | * | * | 7 | 22 | * | * | * | * | Cheadle. |
| | *p* Shrewsbury .. .. | 191 | 48 | 26th | 23 | 25th | 44·1 | 28·3 | 36·5 | - 3·9 | 6 | 52 | 4 | 0·69 | — | * | * | * | 6 | 22 | * | * | * | * | Shrewsbury. |
| *b*, West .. | *a* Hereford§ .. .. | 291 | 50 | 26th | 23 | 23, 25 | 41·7 | 28·3 | 35·3 | - 3·6 | 0 | 47 | 4 | 0·69 | + 0·18 | *2·8* | — | *38* | 7 | 20 | 36·8 | * | 43·9 | * | *Malvern.*§ |
| | *a* Cirencester .. .. | 446 | 48 | 26th | ?20 | ?25th | ?35·5 | ?27·4 | ?33·7 | ?- 4·5 | 0 | ?58 | 5 | 1·02 | + 0·43 | 1·9 | + 0·7 | 25 | 7 | 23 | 39·5 | * | 45·0 | * | Cirencester. |
| | *a* Bath .. .. .. | 66 | 52 | 26th | 26 | 23, 25 | 42·7 | 29·6 | 36·4 | - 3·8 | 2 | 46 | 3 | 1·02 | + 0·34 | 1·3 | — | 17 | * | * | 39·1 | -4·5 | 46·1 | -1·1 | Bath. |
| **5.** ENGLAND, S.E. | | | | | | | | | | | | | | | | * | * | * | 6 | 23 | 41·2 | -2·0 | 47·7 | +1·6 | Canterbury. |
| | *p* Kew .. .. .. | 18 | 44 | 26th | 29 | 25th | 40·6 | 32·1 | 36·5 | - 3·0 | 0 | 39 | 4 | 0·73 | + 0·30 | 1·4 | + 0·2 | 18 | 7 | 21 | 38·6 | -3·9 | 45·9 | -0·3 | Kew. |
| | *a* Marlborough .. .. | 424 | 47 | 26th | 24 | 23rd | 40·1 | 30·4 | 35·4 | - 2·8 | 0 | 46 | 6 | 1·54 | + 0·88 | 1·4 | + 0·3 | 18 | 7 | 17 | 38·5 | * | 46·3 | * | Marlborough. |
| | *a* Margate .. .. | 53 | 47 | 20th | 31 | 25th | 44·0 | 34·0 | 39·2 | - 1·1 | 6 | 31 | 5 | 0·77 | + 0·31 | 2·2 | + 0·7 | 29 | 4 | 26 | 41·2 | -2·1 | 46·6 | +1·2 | Margate. |
| | *a* Wisley, Surrey .. | 150 | 48 | 26th | 26 | 25th | 40·3 | 30·4 | 35·6 | - 4·0 | 0 | 45 | 3 | 0·83 | — | 1·3 | — | 17 | 7 | 20 | 39·2 | -3·0 | 46·0 | +0·1 | Wisley. |
| | | | | | | | | | | | | | | | | 1·0 | — | 13 | 6 | 24 | 39·8 | -3·5 | 47·4 | +0·2 | Worthing. |
| | *p* Salisbury (Wilton) .. | 180 | 49 | 26th | 26 | 25th | 41·7 | 28·4 | 35·3 | - 3·4 | 0 | 47 | 5 | 1·47 | + 0·71 | * | * | * | 7 | 22 | 38·4 | * | * | * | Salisbury. |
| | 1 Tunbridge Wells .. | 354 | 46 | 20, 21, 26 | 26 | 25th | 41·7 | 31·1 | 36·6 | - 1·8 | 0 | 38 | 5 | 0·89 | + 0·25 | 1·4 | 0·0 | 18 | 6 | 19 | 41·1 | -0·8 | 45·9 | * | Tunbridge Wells |
| | *a* Dungeness .. .. | 21 | 47 | 20th | 26 | 25th | 43·6 | 34·6 | 37·8 | - 3·2 | 4 | 39 | 4 | 0·83 | + 0·34 | * | * | * | * | * | * | * | * | * | Littlestone. |
| | *p* Hastings.. .. | 178 | 48 | 20th | 30 | 23rd | 43·6 | 33·9 | 38·9 | - 2·1 | 4 | 31 | 3 | 0·64 | + 0·02 | *1·9* | + *0·1* | *25* | 6 | 28 | 40·3 | * | 47·2 | * | *Hastings.* |
| | *p* Southampton .. .. | 64 | 49 | 26th | 26 | 25th | 42·1 | 31·4 | 37·0 | - 4·2 | 0 | 39 | 4 | 0·99 | + 0·33 | 1·3 | - 0·2 | 17 | 6 | 19 | * | * | * | * | Southampton. |
| | *a* Ventnor .. .. .. | 59 | 49 | 26th | 32 | 23, 24 | 44·0 | 35·7 | 40·0 | - 3·4 | 6 | 25 | 3 | 0·90 | + 0·28 | 2·3 | + 0·7 | 30 | * | * | * | * | * | * | Ventnor. |
| | | | | | | | | | | | | | | | | *1·3* | — | *17* | 3 | 24 | 40·4 | -4·0 | 47·6 | -0·2 | *Portsmouth.* |
| | | | | | | | | | | | | | | | | 1·5 | - 0·2 | 20 | * | * | 42·5 | * | 48·5 | * | Eastbourne. |
| | | | | | | | | | | | | | | | | *2·6* | — | *34* | * | * | 39·5 | * | 44·5 | * | *Bournemouth.* |
| | | | | | | | | | | | | | | | | | | | | | | | 46·3 | * | *Brighton.* |
| LONDON. | | | | | | | | | | | | | | | | *1·5* | - *0·1* | *20* | 3 | 25 | * | * | * | * | |
| | *a Westminster* .. .. | *27* | *49* | *26th* | *30* | *26th* | *43·3* | *32·2* | *38·0* | - *1·9* | *4* | *37* | *4* | *0·65* | + *0·22* | *0·6* | + *0·2* | *8* | 7 | 28 | * | * | * | * | *Westminster.* |
| | *a Greenwich* .. .. | *155* | *48* | *26th* | *27* | *25, 26* | *41·6* | *31·1* | *36·6* | - *3·0* | *0* | *38* | *5* | *0·56* | + *0·14* | *1·3* | + *0·2* | *17* | 7 | 23 | * | * | * | * | *Greenwich.* |
| | *a Hampstead* .. .. | *450* | *47* | *26th* | *25* | *25th* | *40·6* | *28·2* | *34·7* | — | *0* | *51* | *4* | *1·01* | — | *0·7* | — | *9* | 7 | 15 | * | * | * | * | *Hampstead.* |
| | *a Camden Square* .. | *110* | *48* | *26th* | *29* | *23rd* | *41·6* | *31·6* | *36·8* | — | *0* | *36* | *5* | *0·74* | — | *0·8* | — | *11* | 6 | 26 | * | * | * | * | *Camden Square.* |
| | | | | | | | | | | | | | | | | *1·0* | — | *14* | 6 | 19 | 36·5 | -3·6 | 43·9 | +0·5 | *Burnley.* |
| | | | | | | | | | | | | | | | | 1·9 | — | 26 | * | * | * | * | * | * | Hoylake. |
| **7.** *a*, ENGLAND, N.W. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | *p* Aspatria .. .. .. | 250 | 46 | 26th | 24 | 23rd | 38·7 | 26·9 | 33·0 | - 5·7 | 0 | 63 | 3 | 0·52 | - 0·35 | 2·2 | — | 33 | 6 | 14 | 38·0 | * | 45·1 | * | Aspatria. |
| | *p* Newton Rigg .. .. | 559 | 44 | 20th | 21 | 25th | 34·3 | 21·3 | 32·5 | - 4·5 | 0 | 67 | 3 | 0·57 | - 0·29 | 1·3 | + 0·3 | 19 | 7 | 18 | 37·2 | -3·2 | 42·6 | 0·0 | Newton Rigg. |
| | *p* Stonyhurst .. .. | 375 | 45 | 26th | 27 | 25th | 39·0 | 29·9 | 34·6 | - 3·9 | 0 | 52 | 4 | 0·82 | - 0·18 | 1·4 | + 0·6 | 20 | 7 | 17 | * | * | * | * | Stonyhurst. |
| | *p* Blackpool .. .. | 66 | 48 | 26th | 27 | 25th | 41·0 | 30·4 | 35·9 | - 3·6 | 0 | 43 | 4 | 0·84 | + 0·19 | 2·6 | + 1·7 | 37 | 7 | 23 | 39·0 | * | 46·6 | * | Blackpool. |
| | *a Southport* .. .. | *37* | *46* | *26th* | *26* | *25th* | *40·0* | *30·0* | *35·2* | - *4·1* | *0* | *48* | *4* | *0·81* | + *0·16* | *2·5* | + *1·6* | *35* | 6 | 17 | 35·5 | -4·6 | 42·6 | -0·3 | *Southport.* |
| | *a* Liverpool (Bidston) .. | 188 | 48 | 26th | 28 | 25th | 40·9 | 31·9 | 36·6 | - 4·0 | 0 | 38 | 4 | 0·75 | + 0·22 | *1·9* | — | *26* | * | * | * | * | * | * | *Liverpool.* |
| | *a Hawarden Bridge* .. | *22* | *49* | *26th* | *25* | *25th* | *42·3* | *31·4* | *37·1* | - *3·8* | *1* | *39* | *7* | *1·93* | + *1·46* | *0·2* | — | *3* | 6 | 25 | 37·6 | -3·4 | 45·3 | +0·3 | *Manchester (City).* |
| | *p* Manchester (Whit. Pk.) | 125 | 46 | 26th | 24 | 23rd | 40·8 | 29·8 | 35·5 | - 3·9 | 0 | 46 | 3 | 0·63 | - 0·03 | *0·5* | + *0·1* | *7* | * | * | * | * | * | * | " (*Whit. Park*) |
| *b* NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | *p* Llandudno .. .. | 71 | 50 | 26th | 30 | 23rd | 43·7 | 34·0 | 39·0 | - 3·6 | 5 | 30 | 4 | 0·78 | + 0·16 | 2·5 | + 1·3 | 34 | * | * | * | * | * | * | Llandudno. |
| | *a* Holyhead .. .. | 15 | 50 | 26th | 33 | 22, 25 | 45·3 | 35·7 | 40·7 | - 2·2 | 9 | 26 | 3 | 0·98 | + 0·13 | *3·1* | — | *43* | * | * | * | * | * | * | *Holyhead.* |
| | *Bettws-y-Coed* .. .. | *148* | *49* | *26th* | *24* | *23rd* | *40·1* | *29·1* | *34·8* | - *7·5* | *0* | *50* | *3* | *1·59* | — | *0·6* | — | *8* | * | * | 38·1 | -4·2 | 45·1 | -0·1 | *Bettws-y-Coed.* |
| | | | | | | | | | | | | | | | | 3·6 | — | 49 | * | * | * | * | * | * | Aberdovey. |

* For notes see also opposite page. † At 3 ft. § The temperature on the grass refers to Hereford.
‡ Raingauge and thermometers moved to new position on December 11th. Previous height 90 feet

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration. | Ground Temperature. Grass Min. Ground Frosts. | Lowest Reading. | Earth 1 ft Mean. | Earth 1 ft Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | | | | | | | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | | | | 4·1 | — | 55 | | | | | | | |
| *a* Llangammarch Wells | 550 | 50 | 26th | 21 | 23, 25 | 40·7 | 25·9 | 33·6 | − 4·6 | 0 | 59 | 3 | 1·28 | — | 1·9 | — | 25 | 6 | 17 | 38·9 | −4·0 | 46·6 | 0·0 | Aberystwyth |
| *a* Pembroke .. .. | 149 | 52 | 26th | 33 | 23, 24 | 45·9 | 36·6 | 41·4 | − 3·0 | 11 | 23 | 5 | 1·84 | + 0·95 | 5·3 | + 1·9 | 43 | | | | | | | Llangammarch. |
| *p* Cardiff .. .. .. | 202 | 49 | 26th | 25 | 23rd | 42·4 | 30·6 | 36·7 | − 2·8 | 1 | 42 | 4 | 1·48 | + 0·45 | *2·4* | — | *32* | 6 | 21 | 38·2 | −4·1 | 45·6 | −0·1 | Pembroke. |
| | | | | | | | | | | | | | | | | | | | | | | | | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 52 | 26th | 27 | 25th | 42·0 | 31·4 | 36·9 | − 3·8 | 0 | 36 | 3 | 1·03 | + 0·27 | *1·9* | — | *25* | 6 | 26 | | | | | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 49 | 26th | 25 | 23rd | 38·7 | 29·4 | 34·2 | − 4·8 | 0 | 55 | 5 | 1·04 | + 0·29 | | | | | | 38·6 | | 45·5 | | Shaftesbury. |
| *a* Arlington .. .. | 613 | 52 | 26th | 26 | 22, 23 | 43·7 | 30·3 | 37·3 | − 3·5 | 5 | 44 | 5 | 0·98 | − 0·42 | | | | | | | | | | Arlington. |
| *a Newquay* .. .. | *190* | *53* | *26th* | *30* | *22, 25* | *46·1* | *34·0* | *40·3* | *− 4·8* | *11* | *33* | *4* | *1·05* | *+ 0·17* | 3·8 | + 2·2 | 49 | 4 | 25 | 41·9 | | 47·7 | | Newquay. |
| *a* Cullompton .. .. | 202 | 52 | 26th | 23 | 22nd | 42·0 | 29·1 | 35·8 | − 4·8 | 0 | 43 | 5 | 1·32 | + 0·45 | 2·3 | + 1·1 | 30 | 6 | 19 | 40·4 | | | | Cullompton. |
| *a* Portland Bill .. .. | 19 | 51 | 26th | 33 | 23, 24, 25 | 45·1 | 37·7 | 41·6 | − 1·6 | 9 | 19 | 3 | 1·38 | — | *2·6* | — | *33* | | | | | | | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 51 | 26th | 30 | 22nd | 45·1 | 35·1 | 40·3 | − 3·3 | 9 | 28 | 3 | 1·62 | + 0·63 | 3·1 | + 1·5 | 39 | | | 41·0 | −4·7 | | | Plymouth. |
| *a* Falmouth .. .. | 167 | 52 | 26th | 33 | 23rd | 46·4 | 35·9 | 41·4 | − 3·5 | 12 | 26 | 4 | 1·65 | + 0·35 | 3·2 | + 1·4 | 41 | 5 | 23 | 42·1 | | 48·0 | | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West .. { *a* Malin Head .. .. | 208 | 48 | 25th | 30 | 21st | 41·1 | 33·7 | 37·6 | − 4·3 | 0 | 31 | 4 | 0·91 | + 0·20 | *2·3* | — | *33* | | | | | | | *Malin Head.* |
| *a* Blacksod Point .. | ? | 50? | 26th | 32 | 24th | ?42·1 | 35·3 | 38·8? | − 4·7? | 0 | ?24 | 4 | 0·87 | − 0·43 | | | | | | | | | | |
| *p* Markree Castle .. | 122 | 51 | 26th | 14 | 24th | 38·9 | 23·1 | 31·3 | − 8·9 | 0 | 75 | 3 | 0·86 | − 0·16 | 1·4 | + 0·3 | 20 | 6 | 14 | 38·8 | | 45·9 | | Markree Castle |
| *a* Birr Castle .. .. | 175 | 52 | 25th | 20 | 22, 23 | 40·6 | 25·9 | 33·5 | − 6·9 | 0 | 60 | 3 | 0·71 | + 0·01 | *1·6* | *+ 0·2* | *22* | | | | | | | *Birr Castle.* |
| *b*, East .. { *p* Armagh .. .. | 196 | 50 | 26th | 17 | 24th | 36·6 | 25·1 | 31·1 | − 8·9 | 0 | 76 | 4 | 1·51 | + 0·89 | 0·9 | − 0·3 | 13 | 6 | 14 | 39·2 | −2·5 | 44·9 | −0·1 | Armagh. |
| *a* Donaghadee .. .. | 101 | 48 | 25, 26 | 27 | 21st | 44·6 | 35·0 | 40·0 | − 1·4 | 7 | 28 | 4 | 1·30 | + 0·63 | | | | | | | | | | |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | | | | | | | | | | |
| *p* Dublin, City .. .. | 47 | 52 | 24th | 23 | 22nd | 41·6 | 30·3 | 36·2 | − 6·3 | 0 | 41 | 3 | 0·93 | + 0·46 | 2·4 | + 0·7 | 33 | 6 | 20 | 38·8 | −3·8 | 44·0 | −1·5 | Trinity Coll. |
| *a* Kilkenny .. .. | 212 | 52 | 26th | 17 | 22nd | 40·1 | 23·7 | 32·2 | − 8·5 | 0 | 69 | 4 | 1·55 | + 0·81 | | | | 6 | 23 | | | | | Phœnix Park. |
| *a* Waterford .. .. | 30 | 51 | 25, 26 | 23 | 22nd | 44·9 | 29·7 | 37·6 | − 4·5 | 8 | 47 | 5 | 2·38 | + 1·41 | | | | | | | | | | Dublin City. |
| *a Seskin, Carrick-on-Suir* | *541* | *51* | *26th* | *27* | *21, 22, 24* | *41·0* | *31·4* | *36·4* | — | *0* | *39* | *7* | *2·51* | — | *2·6* | — | *35* | 5 | 19 | | | | | *Seskin.* |
| *a* Birr Castle .. .. | 175 | 52 | 25th | 20 | 22, 23 | 40·6 | 25·9 | 33·5 | − 6·9 | 0 | 60 | 3 | 0·71 | + 0·01 | 1·6 | + 0·2 | 22 | | | | | | | Birr Castle. |
| *a* Foynes .. .. | 50 | 53 | 25th | 22 | 24, 25 | 43·6 | 29·0 | 36·6 | − 6·2 | 4 | 49 | 5 | 1·23 | + 0·23 | | | | | | | | | | |
| *b*, West .. { *a* Cahir .. .. | 199 | 52 | 26th | 23 | 21, 22, 24 | 42·3 | 27·1 | 35·0 | − 7·5 | 1 | 54 | 5 | 1·53 | — | | | | | | | | | | |
| *a* Killarney .. .. | 174 | 54 | 26th | 24 | 24th | 44·6 | 31·1 | 38·1 | − 5·3 | 7 | 42 | 5 | 2·15 | + 0·55 | | | | | | | | | | |
| *a* Valencia .. .. | 30 | 54 | 25th | 28 | 24th | 47·6 | 33·1 | 40·6 | − 4·9 | 16 | 37 | 6 | 2·44 | + 1·00 | 2·1 | + 0·8 | 28 | | | | | | | Valencia. |
| *a* Roche's Point .. | 32 | 52 | 25th | 33 | 20, 24, 25 | 46·6 | 35·9 | 41·5 | − 3·1 | 13 | 26 | 7 | 2·36 | + 1·14 | 2·6 | — | 34 | | | | | | | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 53 | 26th | 37 | 22nd | 47·9 | 39·1 | 43·7 | − 3·7 | 24 | 8 | 5 | 1·50 | + 0·58 | 3·5 | + 1·9 | 44 | | | | | | | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 48 | 26th | 32 | 23rd | 45·1 | 36·6 | 41·0 | − 3·5 | 9 | 22 | 4 | 1·02 | + 0·16 | 0·9 | − 1·1 | 11 | | | | | | | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 51 | 22, 26 | 36 | 20, 22, 23 | 46·9 | 37·3 | 42·3 | − 2·8 | 22 | 13 | 6 | 1·34 | + 0·37 | 1·4 | 0·0 | 18 | 4 | 28 | 43·2 | −3·3 | 49·3 | +0·1 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 2·0 hrs. 26 %; Ramsgate, 1·4 hrs. 18 %; Rhyl, 2·2 hrs. 30 %; Salcombe, 3·2 hrs. 42 %; Tenby, 3·4 hrs. (+1·9) 45 %; Torquay, 2·6 hrs. (+0·9) 34 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Dec. 26th.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick .. .. .. | 44 | 43 | 43·2 | −2·9 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 41 | 37 | 38·9 | −5·8 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 39 | 36 | 37·5 | −5·4 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | — | — | — | — |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | — | — | — | — |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 50 | 47 | 48·3 | −0·2 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 50 | 48 | 48·3 | — |
| Plymouth‡ .. .. | — | — | — | — |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. . | 48 | 45 | 46·4 | +1·2 |
| Seafield .. . | — | — | — | — |

‡ Only one observation each day.

## IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, December 26th.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Date and Hour. | Highest Gust with Date and Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | | m/s. | | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | 26th | 1 | 16 | 151 | SE. 11 | 26th 7h. | 22 26th 8.15 |
| Aberdeen* .. .. | 105 | — | — | 26th | 6 | 26 | 136 | SSE. 14 | 26th 8h. | 25 26th 8.50 |
| Rosyth .. .. | 73 | — | — | 25, 26 | 3 | 16 | 149 | SW. 13 | 26th 9h. | 22 26th 9. 0 |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | — | — | 35 | 133 | S. 10 | 25th 21h. | 18 26th 11.15 |
| Paisley (Coats Obs.) | 80 | — | — | — | — | 24 | 144 | SSW. 10 | 26th 7h. | 20 26th 6.55 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | — | — | 3§ | 144§ | S. by E. 10 | 26th 9h. | 17 ? ? |
| South Shields .. | 61 | — | — | 26th | 3 | 44 | 121 | S. by W. 12 | 26th 8h. | 22 26th 9.50 |
| Spurn Head .. | 40 | 26th | 1§ | 25, 26 | 13§ | 64§ | 88§ | S. 18 | 26th 9h. | 24 26th 10. 0 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | — | — | 25, 26 | 14 | 29 | 125 | — 15 | 26th 7h. | 19 26th 7.20 |
| Shoeburyness .. | 90 | — | — | 26th | 2 | 51 | 115 | — 12 | 26th 7h. | 15 26th 7.50 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Benson .. .. | 84 | — | — | 26th | 2 | 17 | 149 | S. by E. 11 | 26th 10h. | 15 26th 10.30 |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | — | — | — | — | — | — | — — | — — | — — — |
| Warlingham .. | 33 | — | — | — | — | 19 | 149 | — 11 | 26th 11h. | 19 26th 12.35 |
| Brighton .. .. | 53 | — | — | — | — | 32§ | 126§ | — 10 | 26th 7h. | 17 26th 7. 5 |
| Kew† .. .. | 65 | — | — | — | — | 6 | 162 | S. by W. 6 | 26th 13h. | 13 26th 11. 5 |
| South Kensington | 92 | — | — | — | — | — | 168 | SW. 4 | 26th 10h. | 9 26th 11.20 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | 22 | 146 | S. by W. 10 | 26th 9h. | 18 26th 8.45 |
| Southport .. .. | 62 | — | — | 26th | 7 | 44 | 117 | W. 13 | 26th 12h. | 20 26th 10.30 |
| Holyhead* .. .. | 40 | — | — | 23, 25, 26 | 28 | 61 | 79 | S. 17 | 25th 24h. | 25 26th 9.25 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle* | 65 | 25, 26 | 14 | 21 to 23, 25, 26 | 32 | 62 | 60 | SSW. 23 | 26th 4h. | 29 26th 5.20 |
| Plymouth .. .. | 86 | — | — | 25, 26 | 24 | 21 | 123 | — 17 | 26th 3h. | 21 26th 6.45 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | 26th | 5 | 20, 21, 25, 26 | 24 | 102 | 37 | — 22 | 26th 24h. | 29 26th 24. 5 |
| Weaver Pt. .. | 30 | 26th | 4 | 22, 23, 25, 26 | 34 | 56 | 74 | — 23 | 26th 24h. | 31 26th 24. 0 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly* .. .. | 19 | 20th | 1 | 20 to 23, 25, 26 | 46 | 50 | 71 | NW. 18 | 20th 19h. | 27 21st 6.40 |

## NOTES ON TABLES II. and III.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day. The rims of the gauges are 1 foot above the ground.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907-1911, but in some cases for 1908-1911, or 1909-1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

## NOTES ON TABLE IV.

All the records were obtained from instruments of the Dines' Pressure Tube type with the exception of those from Carnforth which were taken from an anemobiagraph.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

* Wind Direction at these stations is taken from the Robinson Instrument

† Until May 9th the anemograph was about ½ mile East of the Observatory with a vane 40 ft. above ground. The instrument now used is on the Observatory Building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

## [Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**FIFTY-FIRST WEEK**—December 20th to December 26th, 1914.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Means of | | | | Accumulated Number of Day-Degrees. | | | | | | | | | | | |
| | Highest. | Lowest. | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0 SCOTLAND, NORTH ... | 51 | 18 | 39·2 | 27·6 | 33·7 | − 5·0 | 0 | − 8 | 58 | +27 | 3 | − 2 | 0·66 | −0·54 | 1·2 | +0·6 | 18 | 1008 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 48 | 7 | 36·8 | 24·2 | 30·7 | − 6·7 | 0 | − 7 | 79 | +38 | 3 | 0 | 0·66 | +0·09 | 1·5 | +0·6 | 23 | 1010 |
| 2. ENGLAND, N.E. ... | 46 | 23 | 39·9 | 30·4 | 35·3 | − 3·2 | 0 | − 8 | 47 | +14 | 5 | + 1 | 0·80 | +0·31 | 1·7 | +0·6 | 24 | 1010 |
| 3. ENGLAND, EAST ... | 48 | 24 | 40·6 | 31·4 | 36·2 | − 1·9 | 0 | − 8 | 41 | + 3 | 5 | + 2 | 0·59 | +0·24 | 1·4 | 0·0 | 19 | 1011 |
| 4 MIDLAND COUNTIES ... | 52 | 20 | 40·3 | 29·0 | 34·9 | − 3·1 | 0 | − 9 | 50 | +11 | 4 | + 1 | 0·83 | +0·37 | 1·4 | +0·3 | 19 | 1011 |
| 5. ENGLAND, S.E. ... ... | 49 | 24 | 42·2 | 31·9 | 37·2 | − 3·0 | 1 | − 13 | 37 | +10 | 4 | + 1 | 0·96 | +0·48 | 1·5 | +0·1 | 20 | 1012 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 50 | 19 | 40·7 | 30·1 | 35·6 | − 4·4 | 0 | − 11 | 45 | +19 | 3 | − 1 | 1·24 | +0·14 | 1·8 | +0·9 | 26 | 1010 |
| 7. ENGLAND, N.W. ... ... | 50 | 21 | 40·8 | 30·7 | 36·0 | − 3·7 | 0 | − 11 | 42 | +15 | 4 | + 1 | 0·74 | +0·09 | 2·2 | +1·3 | 31 | 1009 |
| 8. ENGLAND, S.W. ... ... | 52 | 21 | 43·2 | 32·2 | 37·9 | − 4·0 | 3 | − 15 | 37 | +19 | 4 | 0 | 1·36 | +0·45 | 3·1 | +1·7 | 41 | 1010 |
| 9. IRELAND, NORTH ... | 52 | 14 | 40·7 | 29·7 | 35·4 | − 5·5 | 0 | − 13 | 46 | +24 | 4 | − 1 | 1·03 | +0·22 | 1·2 | 0·0 | 16 | 1007 |
| 10. IRELAND, SOUTH ... | 54 | 17 | 43·5 | 29·5 | 36·8 | − 5·9 | 4 | − 18 | 47 | +30 | 5 | + 1 | 1·70 | +0·69 | 2·2 | +0·7 | 30 | 1008 |
| 11. ENGLISH CHANNEL ... | 53 | 32 | 46·6 | 37·7 | 42·3 | − 3·2 | 20 | − 10 | 12 | + 7 | 5 | 0 | 1·29 | +0·55 | 1·9 | +0·1 | 24 | 1010 |

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 4 Weeks, November 29th to December 26th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 56 | 18 | * | * | * | * | 16 | − 23 | 134 | +21 | 20 | − 2 | 8·17 | +2·60 | 0·5 | −0·2 | 8 | 995 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 56 | 7 | * | * | * | * | 18 | − 17 | 165 | +21 | 18 | + 2 | 5·46 | +2·74 | 1·2 | +0·1 | 17 | 996 |
| 2. ENGLAND, N.E. ... ... | 59 | 23 | * | * | * | * | 50 | + 8 | 91 | −19 | 21 | + 5 | 3·41 | +1·30 | 1·4 | +0·1 | 18 | 1000 |
| 3. ENGLAND, EAST ... | 58 | 24 | * | * | * | * | 80 | + 34 | 63 | −64 | 22 | + 7 | 4·48 | +2·63 | 1·3 | −0·1 | 17 | 1004 |
| 4. MIDLAND COUNTIES ... | 59 | 20 | * | * | * | * | 54 | + 6 | 99 | −33 | 20 | + 5 | 4·69 | +2·56 | 1·2 | 0·0 | 16 | 1002 |
| 5. ENGLAND, S.E. ... ... | 56 | 24 | * | * | * | * | 102 | + 31 | 53 | −36 | 23 | + 8 | 7·03 | +4·60 | 1·3 | −0·2 | 16 | 1004 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 55 | 19 | * | * | * | * | 39 | − 17 | 94 | +10 | 20 | + 2 | 6·47 | +1·52 | 0·8 | −0·2 | 12 | 997 |
| 7. ENGLAND, N.W. ... ... | 60 | 21 | * | * | * | * | 60 | + 3 | 64 | −21 | 22 | + 5 | 5·48 | +2·28 | 1·1 | 0·0 | 15 | 998 |
| 8. ENGLAND, S.W. ... ... | 56 | 21 | * | * | * | * | 93 | + 5 | 55 | − 8 | 23 | + 5 | 7·30 | +3·17 | 1·8 | +0·2 | 23 | 1002 |
| 9. IRELAND, NORTH ... | 56 | 14 | * | * | * | * | 44 | − 16 | 96 | +16 | 23 | + 2 | 5·73 | +2·26 | 0·9 | −0·4 | 13 | 994 |
| 10. IRELAND, SOUTH ... | 57 | 17 | * | * | * | * | 72 | − 24 | 88 | +27 | 24 | + 5 | 7·31 | +3·34 | 1·7 | +0·1 | 23 | 997 |
| 11. ENGLISH CHANNEL ... | 56 | 32 | * | * | * | * | 150 | + 9 | 12 | − 2 | 25 | + 5 | 7·58 | +3·95 | 1·4 | −0·5 | 18 | 1004 |

THE YEAR.—Aggregates, &c., for the Period of 51 Weeks, January 4th, 1914, to December 26th, 1914.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 2276 | +171 | 596 | −166 | 233 | − 9 | 48·12 | −3·05 | 3·1 | 0·0 | 25 | 1009 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 7 | * | * | * | * | 2555 | +208 | 770 | −115 | 191 | − 8 | 30·69 | +0·53 | 3·8 | +0·1 | 31 | 1010 |
| 2. ENGLAND, N.E. ... ... | 85 | 23 | * | * | * | * | 3077 | +443 | 452 | −197 | 178 | − 3 | 23·81 | −0·56 | 4·2 | +0·2 | 35 | 1012 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 3440 | +401 | 421 | −302 | 175 | 0 | 23·57 | +0·44 | 4·6 | +0·2 | 38 | 1014 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 3264 | +311 | 551 | −206 | 173 | 0 | 26·77 | +1·05 | 4·1 | +0·2 | 33 | 1014 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 3567 | +250 | 351 | −168 | 171 | + 3 | 31·18 | +4·79 | 5·0 | +0·5 | 41 | 1014 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 2757 | +184 | 481 | − 93 | 204 | − 5 | 42·41 | −4·65 | 3·7 | −0·1 | 31 | 1011 |
| 7. ENGLAND, N.W. ... ... | 86 | 21 | * | * | * | * | 3103 | +289 | 341 | −177 | 193 | 0 | 34·66 | +0·55 | 4·2 | +0·3 | 34 | 1013 |
| 8. ENGLAND, S.W. ... ... | 86 | 16 | * | * | * | * | 3386 | +210 | 304 | − 97 | 200 | + 7 | 43·26 | +5·55 | 4·6 | +0·3 | 37 | 1014 |
| 9. IRELAND, NORTH ... | 80 | 14 | * | * | * | * | 2878 | +187 | 405 | − 75 | 223 | − 5 | 36·95 | −0·52 | 3·5 | −0·1 | 29 | 1010 |
| 10. IRELAND, SOUTH ... | 81 | 17 | * | * | * | * | 3342 | +211 | 314 | − 53 | 220 | +17 | 42·25 | +3·12 | 4·1 | +0·1 | 33 | 1013 |
| 11. ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 3969 | +205 | 87 | − 38 | 196 | −11 | 37·40 | +5·51 | 5·0 | −0·3 | 41 | 1015 |

M.O., December 30, 1914.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-SEVENTH YEAR. Vol. XXXI. (New Series.) No. 52. FIFTY-SECOND WEEK, SUNDAY, DECEMBER 27TH, 1914, TO SATURDAY, JANUARY 2ND, 1915.

*Price 6d.*
*Annual Subscription Post Paid £1 10s. 0d.*

## I.—Remarks on Wind and Weather.

The general state of the weather continued very unsettled. The total amount of precipitation greatly exceeded the normal except in Scotland North and East, and was partly composed of sleet and wet snow. Rain measurements of more than an inch were recorded at several places in the north and north-west of England on December 27th, over a very large portion of the Kingdom on the 28th, and in some parts of Scotland, as well as at Plymouth, Cullompton, and Wilton on the 30th. Among the heaviest falls were 1·4 in. at Hawarden Bridge and 1·3 in. at Llangammarch Wells on the 27th, 1·4 in. at Norwich and Cambridge and 1·1 in. at Arlington on the 28th, and 1·7 in. at Colmonell and 1·2 in. at Llangammarch Wells on the 30th. In the Metropolis on the 28th, where the measurement was about 1 in., a considerable part was due to very heavy wet snow. At Birmingham on the same day wet snow yielded 0·93 in. of water in the gauge. A thunderstorm occurred at Glasgow on December 27th, and at Ventnor on January 1st. Temperature was as a rule rather above the average in the southern districts and below it in the north, while the total number of hours of bright sunshine was a little above the normal except in a few parts of England and in Scotland North.

## THE WEEK.

| For explanation of the terms "Unusual," &c., *see* below. | | DISTRICTS OF THE BRITISH ISLES. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Extreme N. | EASTERN SECTION. | | | | | WESTERN SECTION. | | | | | Extreme S. |
| | | **0.** Scotland, N. | **1.** Scotland, E. | **2.** England, N.E. | **3.** England, E. | **4.** Midland Counties. | **5.** England, S.E. | **6.** Scotland, W. | **7.** England, N.W. | **8.** England, S.W. | **9.** Ireland, N. | **10.** Ireland, S. | **11.** English Channel. |
| Comparison with average for the time of year ... | Warmth ... | Moderate | Moderate | Moderate | Moderate | Moderate | Unusual | Moderate | Moderate | Moderate | Deficient | Deficient | Moderate |
| | Rainfall ... | Moderate | Heavy | Heavy | Very heavy | Very heavy | Very heavy | Heavy | Very heavy | Very heavy | Heavy | Very heavy | Very heavy |
| | Sunshine ... | Moderate | Abundant | Moderate | Scanty | Moderate | Moderate | Abundant | Abundant | Moderate | Abundant | Abundant | Moderate |

## THE SEASON.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 5 weeks from Nov. 29th, 1914. | Warmth ... | 0*1 | 0*1 | 1*1 | 3*0 | 1*0 | 4*1 | 1*1 | 1*1 | 1*1 | 1*2 | 0*3 | 1*1 |
| | Rainfall ... | 2*1 | 4*0 | 5*0 | 4*0 | 5*0 | 5*0 | 2*0 | 3*0 | 5*0 | 3*0 | 4*0 | 5*0 |
| | Sunshine ... | 1*2 | 3*1 | 1*0 | 0*3 | 0*1 | 0*1 | 2*3 | 2*2 | 1*1 | 1*2 | 2*1 | 0*3 |

## PAST SEASONS.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. | Warmth ... | 6*3 | 7*2 | 7*2 | 9*3 | 7*4 | 7*4 | 4*2 | 8*3 | 7*4 | 7*2 | 7*4 | 6*4 |
| | Rainfall ... | 5*2 | 5*4 | 1*7 | 3*9 | 2*8 | 3*5 | 5*4 | 5*6 | 3*5 | 5*5 | 4*6 | 5*7 |
| | Sunshine ... | 3*1 | 2*2 | 1*2 | 3*4 | 2*6 | 4*4 | 2*6 | 2*0 | 3*5 | 1*9 | 1*7 | 2*5 |
| SPRING, 1914. Mar. 1st–May 30th. 13 weeks. | Warmth ... | 3*1 | 6*0 | 8*1 | 8*2 | 6*1 | 7*1 | 5*3 | 5*1 | 8*1 | 6*3 | 6*2 | 9*1 |
| | Rainfall ... | 5*2 | 5*5 | 4*6 | 4*5 | 4*5 | 5*4 | 6*4 | 4*5 | 7*6 | 5*5 | 4*6 | 6*5 |
| | Sunshine ... | 4*4 | 4*2 | 3*2 | 6*5 | 4*5 | 4*1 | 4*2 | 4*2 | 4*2 | 4*4 | 4*4 | 4*4 |
| SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. | Warmth ... | 5*0 | 6*3 | 6*1 | 6*1 | 5*2 | 5*2 | 7*2 | 5*1 | 5*2 | 6*1 | 4*2 | 5*3 |
| | Rainfall ... | 2*4 | 2*4 | 3*5 | 3*5 | 3*4 | 2*4 | 2*7 | 4*3 | 5*3 | 2*7 | 4*2 | 7*3 |
| | Sunshine ... | 6*2 | 4*3 | 4*5 | 5*3 | 6*5 | 5*2 | 3*4 | 6*4 | 3*5 | 5*3 | 4*4 | 1*6 |
| AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks. | Warmth ... | 4*3 | 4*2 | 6*3 | 5*2 | 5*2 | 4*4 | 4*4 | 6*3 | 4*3 | 7*3 | 4*2 | 4*3 |
| | Rainfall ... | 3*8 | 4*8 | 3*6 | 2*5 | 2*5 | 3*5 | 3*7 | 5*7 | 3*6 | 3*8 | 4*7 | 3*3 |
| | Sunshine ... | 3*4 | 4*5 | 3*5 | 3*3 | 4*5 | 6*2 | 2*4 | 6*2 | 4*5 | 2*4 | 3*4 | 3*5 |

EXPLANATION OF NOMENCLATURE USED ABOVE. [**First used 1907.**]

**WARMTH.**—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

**RAINFALL.**—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

**SUNSHINE.**—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905, An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for **SEASONS** the first figures (**thick type**) in each column denote the number of weeks of unusual warmth, heavy rainfall and abundant sunshine in the district. The second figure (small type) denotes the number of weeks of deficient warmth, etc. The weeks unaccounted for by the pairs of figures were moderate weeks.

**NOTE.—(1) The charts for the current week will be issued as soon as the necessary data have been received.**
**(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.**
**(3) Tables for converting from mercury inches to millibars and from miles per hour to metres per second may be obtained upon application to the Meteorological Office.**

(3651—19.) Wt. 229—611. 450. 1/15. D & S. G. 20/ 36.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. Highest observed | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Average | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | Rainfall. No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Bright Sunshine. Hours per Day. Daily Mean. | Difference from Average. | Percentage of possible duration | Ground Temperature. Grass Min. Ground Frosts | Lowest Reading. | Earth 1 ft. Mean | Difference from Average. | Earth 4 ft. Mean. | Difference from Average. | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in. | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| 0. SCOTLAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| p Baltasound | 31 | 46 | 30th | 32 | 30th | 43·4 | 36·4 | 40·0 | — | 4 | 21 | 5 | 1·27 | — | 0·3 | — | 6 | | | 37·4 | | | | Baltasound. |
| a, Islands .. a Lerwick | 54 | 46 | 30, 31 | 24 | 29, 30 | 43·6 | 37·1 | 40·5 | + 0·6 | 4 | 19 | 6 | 1·21 | — | 0·7 | - 0·2 | 12 | | | | | | | Deerness. |
| a Stornoway | 51 | 45 | 27, 30, 2 | 31 | 29, 30 | 42·6 | 34·4 | 38·7 | - 0·9 | 2 | 28 | 6 | 1·42 | + 0·02 | 0·4 | - 0·4 | 7 | | | | | | | Stornoway. |
| a Castlebay, Barra Isd. | 37 | 47 | 30th | 34 | 28th | 45·0 | 36·0 | 40·7 | - 1·7 | 8 | 25 | 7 | 1·18 | — | 0·3 | — | 5 | | | | | | | Castlebay. |
| b, Mainland. a Wick | 81 | 45 | 27th | 28 | 29th | 41·6 | 34·0 | 38·0 | - 0·6 | 0 | 28 | 5 | 0·59 | - 0·06 | | | | | | | | | | |
| p Strathpeffer | 200 | 45 | 27th | 23 | 30th | 40·9 | 29·4 | 35·4 | - 1·7 | 0 | 46 | 5 | 0·36 | - 0·40 | 0·8 | - 0·2 | 13 | | | | | | | Strathpeffer. |
| p Glencarron | 500 | | | | | | | | | | | 7 | 1·40 | - 0·97 | | | | | | | | | | |
| p Fort Augustus | 68 | 43 | 2nd | 22 | 30th | 39·3 | 29·9 | 34·8 | - 3·4 | 0 | 50 | 6 | 1·07 | - 0·23 | | | | | | | | | | Fort Augustus. |
| p Fort William | 171 | 43 | 27, 30, 2 | 28 | 29, 30 | 40·1 | 32·3 | 36·4 | - 3·4 | 0 | 39 | 7 | 2·26 | + 0·02 | 0·5 | - 0·1 | 8 | | | | | | | |
| 1. SCOTLAND, E. | | | | | | | | | | | | | | | | | | | | | | | | |
| p Gordon Castle | 101 | 45 | 27th | 28 | 28th | 40·0 | 32·1 | 36·2 | - 2·1 | 0 | 41 | 2 | 0·30 | - 0·30 | 1·4 | — | 22 | 5 | 17 | 33·3 | -4·1 | 38·6 | -1·1 | Crathes S. |
| a Nairn | 82 | 46 | 27th | 25 | 30th | 40·1 | 30·4 | 35·4 | - 2·1 | 0 | 46 | 4 | 0·25 | - 0·24 | 1·3 | — | 20 | | | | | | | Gordon Castle. |
| a Aberdeen | 46 | 46 | 27th | 28 | 29, 30 | 41·4 | 32·3 | 37·0 | - 1·1 | 0 | 35 | 3 | 1·42 | + 0·80 | 2·2 | — | 34 | | | | | | | Nairn. |
| a Balmoral | 930 | 43 | 30th | 17 | 29th | 39·4 | 26·4 | 33·2 | - 1·2 | 0 | 62 | 5 | 2·26 | + 1·55 | 1·3 | + 0·1 | 20 | | | | | 49·9 | -0·9 | Aberdeen. |
| p Crieff | 432 | 43 | 27th | 25 | 28, 29 | 39·1 | 29·9 | 34·7 | - 2·8 | 0 | 51 | 4 | 0·67 | - 0·26 | 1·1 | — | 17 | 7 | 14 | | | | | Balmoral. |
| a Leith | 18 | 48 | 27th | 28 | 30th | 43·0 | 32·4 | 37·9 | - 1·4 | 3 | 36 | 4 | 0·35 | - 0·05 | | | | | | | | | | Balruddery. |
| a West Linton | 769 | 44 | 30th | 22 | 28-30 | 38·0 | 27·6 | 33·0 | - 1·9 | 0 | 63 | 5 | 0·71 | — | 1·1 | — | 16 | 6 | 15 | | | | | |
| p Marchmont | 498 | 43 | 31st | 26 | 30th | 39·9 | 29·4 | 34·9 | - 1·7 | 0 | 50 | 4 | 0·33 | - 0·24 | 1·0 | - 0·2 | 15 | 6 | 19 | | | | | West Linton. |
| a Edinburgh | 441 | 47 | 27th | 30 | 29th | 40·9 | 33·6 | 37·4 | — | 0 | 32 | 4 | 0·39 | — | 1·8 | — | 27 | 7 | 19 | | | | | Marchmont. |
| | | | | | | | | | | | | | | | | | | | | | | | | Edinburgh. |
| 6. a, SCOTLAND, W. | | | | | | | | | | | | | | | | | | | | | | | | |
| a Poltalloch | 132 | 41 | 27, 1, 2 | 27 | 29th | 39·9 | 31·6 | 35·9 | - 3·8 | 0 | 43 | 6 | 2·18 | + 0·98 | | | | | | | | | | |
| p Glasgow Observatory | 180 | 45 | 27th | 30 | 28, 29 | 40·4 | 33·6 | 37·1 | - 2·0 | 0 | 34 | 6 | 0·77 | - 0·08 | 0·6 | + 0·1 | 2 | 3 | 22 | | | | | |
| p Rothesay‡ | 170 | 46 | 27th | 31 | 28, 29 | 41·4 | 35·4 | 38·5 | - 1·5 | 0 | 25 | 7 | 1·49 | + 0·40 | 1·0 | — | 15 | 5 | 24 | 36·4 | | 42·3 | -1·3 | Glasgow. |
| a Kilmarnock | 90 | 43 | 27th | 30 | 28, 1 | 40·7 | 32·9 | 37·0 | - 3·0 | 0 | 35 | 3 | 1·00 | — | 1·1 | — | 16 | | | | | | | Rothesay. |
| a Colmonell | 170 | 44 | 27th | 30 | 28, 29 | 42·1 | 33·9 | 38·2 | - 2·7 | 0 | 30 | 6 | 2·90 | + 1·78 | | | | 5 | 23 | | | | | Kilmarnock. |
| p Dumfries | 160 | 49 | 27, 2 | 27 | 30th | 43·3 | 31·0 | 37·4 | - 1·2 | 4 | 41 | 6 | 0·95 | + 0·11 | 1·4 | — | 20 | 5 | 24 | 35·8 | | 40·8 | | |
| p Cally, Gatehouse | 120 | 45 | 27, 30 | 25 | 30th | 43·1 | 32·6 | 38·1 | - 0·7 | 3 | 35 | 6 | 1·39 | + 0·23 | | | | | | | | | | Dumfries. |
| b. I. OF MAN. | | | | | | | | | | | | | | | | | | | | | | | | |
| p Douglas | 277 | 49 | 27th | 31 | 30th | 45·1 | 35·3 | 40·4 | - 1·3 | 9 | 27 | 6 | 1·37 | + 0·37 | 2·2 | + 0·8 | 31 | 2 | 27 | | | | | Douglas. |
| 2. ENGLAND, N.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| a Alnwick Castle | 210 | 45 | 27, 2 | 29 | 30th | 42·0 | 31·6 | 37·0 | - 1·7 | 0 | 35 | 4 | 0·54 | - 0·06 | 1·5 | — | 22 | 7 | 21 | 34·3 | -3·3 | 40·2 | -0·6 | Cockle Park. |
| a Tynemouth | 71 | 46 | 27th | 32 | 30, 31 | 42·7 | 34·3 | 38·7 | - 0·4 | 2 | 29 | 3 | 0·32 | - 0·10 | | | | | | | | | | Tynemouth. |
| p Durham | 336 | 45 | 27th | 29 | 30th | 40·9 | 31·6 | 36·4 | - 1·3 | 0 | 39 | 4 | 0·51 | + 0·11 | 2·0 | + 0·6 | 29 | 5 | 23 | | | | | Durham. |
| a, North .. p Rounton | 249 | 45 | 27th | 28 | 30th | 41·3 | 31·7 | 36·7 | - 0·8 | 0 | 37 | 5 | 1·18 | + 0·76 | | | | 7 | 21 | 35·8 | | | | Rounton. |
| a West Witton | 605 | 45 | 27th | 29 | 30th | 40·1 | 31·1 | 35·8 | — | 0 | 43 | 5 | 2·06 | — | | | | 6 | 23 | 35·5 | | 40·5 | | West Witton. |
| p Scarborough | 100 | 46 | 27th | 31 | 30th | 42·3 | 34·6 | 38·6 | - 0·6 | 1 | 27 | 6 | 0·72 | + 0·24 | 1·6 | — | 23 | | | | | 44·0† | | Scarborough. |
| p York | 56 | 48 | 27th | 30 | 30th | 43·1 | 33·3 | 38·4 | + 0·2 | 3 | 33 | 5 | 1·00 | + 0·58 | 1·0 | + 0·2 | 14 | | | 37·9 | -2·4 | 43·4 | -0·3 | York. |
| | | | | | | | | | | | | | | | 0·4 | — | 6 | 5 | 22 | 36·1 | -3·2 | 44·1 | -0·1 | Hull. |
| b, South .. a Spurn Head | 26 | 43 | 27th | 31 | 30th | 41·0 | 34·4 | 37·8 | - 1·8 | 0 | 29 | 5 | 1·65 | + 1·28 | 0·8 | — | 11 | | | | | | | Spurn Head. |
| a Lincoln | 58 | 48 | 27th | 30 | 30th | 43·0 | 32·6 | 38·0 | + 0·4 | 3 | 35 | 5 | 1·64 | + 1·23 | | | | | | 36·3 | -3·6 | 42·5 | -1·3 | Lincoln. |
| a Fulbeck | 180 | 44 | 30, 2 | 30 | 30th | 42·3 | 32·6 | 37·6 | + 0·1 | 1 | 34 | 6 | 1·52 | + 1·07 | 1·0 | — | 14 | 6 | 23 | 37·6 | -2·5 | 44·3 | -0·3 | Rauceby. |
| | | | | | | | | | | | | | | | 0·5 | — | 7 | | | | | | | Skegness. |
| 3. ENGLAND, E. | | | | | | | | | | | | | | | 0·4 | — | 5 | 2 | 24 | 39·8 | -0·5 | 43·8 | -0·5 | Lowestoft. |
| p Cromer | 196 | 48 | 27, 28 | 30 | 27th | 44·1 | 33·3 | 38·9 | + 1·5 | 6 | 33 | 6 | 1·33 | — | 0·6 | — | 8 | | | | | | | Cromer. |
| p Little Massingham | 280 | 47 | 27, 28 | 29 | 30th | 43·3 | 32·9 | 38·3 | + 0·8 | 4 | 34 | 6 | 2·31 | + 1·80 | 0·5 | - 0·9 | 7 | 4 | 25 | | | | | Lit. Massingham. |
| a, North .. p Yarmouth | 17 | 49 | 27, 28 | 30 | 27, 30, 31 | 44·9 | 33·4 | 39·4 | + 1·1 | 8 | 34 | 5 | 2·10 | + 1·65 | 0·4 | — | 5 | | | 38·3 | -1·5 | 44·6 | +0·2 | Yarmouth. |
| a Norwich | 93 | 49 | 27th | 29 | 27, 30, 1 | 44·0 | 33·0 | 38·7 | + 0·5 | 6 | 34 | 7 | 2·03 | — | 0·4 | — | 5 | 4 | 24 | 36·8 | | | | Norwich. |
| a Geldeston | 37 | 52 | 27th | 30 | 27th | 45·4 | 34·0 | 39·9 | + 1·7 | 10 | 32 | 7 | 1·68 | + 1·25 | 0·5 | - 1·1 | 7 | | | | | | | Geldeston. |
| p Cambridge | 41 | 51 | 27th | 29 | 30th | 46·4 | 33·1 | 40·0 | + 2·1 | 12 | 36 | 6 | 1·97 | + 1·64 | 0·9 | - 0·5 | 12 | 5 | 20 | 38·9 | -1·5 | 44·1 | -0·6 | Cambridge. |
| a Felixstowe | 10 | 49 | 27, 28 | 29 | 1st | 44·9 | 35·9 | 40·6 | + 1·4 | 8 | 35 | 6 | 1·92 | — | 0·7 | — | 9 | | | | | | | Felixstowe. |
| b, South .. a Clacton-on-Sea | 54 | 48 | 28th | 33 | 1st | 44·1 | 36·1 | 40·3 | + 1·4 | 6 | 24 | 5 | 1·35 | — | 0·4 | — | 5 | 3 | 21 | 40·6 | -1·7 | 45·1 | -1·6 | Clacton. |
| a Rothamsted | 424 | 51 | 27th | 28 | 30th | 45·4 | 34·0 | 39·9 | + 2·1 | 10 | 32 | 6 | 2·47 | + 1·95 | 1·5 | + 0·1 | 20 | | | | | | | Rothamsted. |
| a Shoeburyness | 13 | 51 | 27th | 34 | 30th | 46·1 | 36·9 | 41·7 | + 2·6 | 11 | 22 | 5 | 1·04 | + 0·73 | 1·0 | — | 13 | 3 | 24 | 40·6 | -1·3 | | | Southend. |
| p Tottenham | 51 | 51 | 27, 28 | 31 | 30th | 48·0 | 37·4 | 42·9 | + 3·7 | 26 | 13 | 6 | 1·76 | — | 0·2 | — | 3 | 1 | 23 | | | 45·3 | -0·8 | Tottenham. |
| 4. MIDLAND COUNTIES. | | | | | | | | | | | | | | | | | | | | | | | | |
| a Harrogate | 479 | 45 | 27th | 28 | 30, 31 | 40·6 | 30·9 | 35·9 | - 1·7 | 0 | 43 | 5 | 1·15 | + 0·58 | 1·2 | — | 16 | 6 | 24 | 36·0 | -3·7 | 42·6 | -0·2 | Huddersfield. |
| a Bawtry | 65 | 46 | 2nd | 30 | 30, 1 | 41·6 | 31·3 | 36·7 | - 1·3 | 0 | 37 | 5 | 1·00 | + 0·59 | 1·5 | — | 21 | 7 | 21 | 37·2 | -3·0 | 40·9 | -0·9 | Harrogate. |
| p Buxton | 987 | 44 | 27th | 28 | 30th | 38·1 | 31·7 | 35·0 | - 0·9 | 0 | 49 | 6 | 2·11 | + 0·96 | 0·9 | - 0·1 | 12 | 6 | 23 | 36·9 | | 41·6 | | Worksop. |
| a, East .. a Nottingham | 82 | 49 | 27th | 28 | 27th | 43·6 | 32·4 | 38·2 | - 0·2 | 4 | 36 | 7 | 1·20 | + 0·74 | 1·0 | — | 14 | 7 | 21 | 34·8 | -4·5 | 41·7 | -2·1 | Buxton. |
| p Birmingham, Edgbsn. | 535 | 48 | 27th | 29 | 30th | 42·9 | 33·1 | 38·2 | + 0·1 | 3 | 33 | 5 | 1·09 | + 1·49 | 0·9 | — | 12 | 5 | 24 | 36·6 | -2·6 | 40·9 | -1·5 | Nottingham. |
| a Raunds | 203 | 49 | 27th | 28 | 30th | 43·5 | 32·0 | 37·9 | + 0·2 | 4 | 37 | 5 | 1·29 | — | 1·5 | — | 20 | 2 | 27 | 39·5 | -2·1 | 45·3 | -0·4 | Birmingham. |
| p Oxford | 208 | 51 | 27th | 32 | 30th | 46·6 | 34·4 | 40·7 | + 1·6 | 13 | 31 | 6 | 2·25 | + 1·81 | 1·2 | — | 16 | 5 | 19 | 39·9 | | 46·6 | | Raunds. |
| | | | | | | | | | | | | | | | 1·8 | + 0·4 | 24 | 6 | 23 | | | | | Oxford. |
| a Cheadle | 646 | 48 | 27th | 27 | 30th | 40·9 | 31·9 | 36·6 | - 0·7 | 0 | 38 | 5 | 1·61 | + 0·97 | 1·7 | — | 23 | 5 | 25 | 37·5 | -2·2 | 43·5 | -0·2 | Sheffield. |
| p Shrewsbury | 191 | 47 | 30, 31 | 29 | 30th | 45·0 | 32·1 | 38·8 | - 1·2 | 8 | 39 | 5 | 0·98 | — | | | | 6 | 25 | | | | | Cheadle. |
| b, West .. a Hereford§ | 291 | 51 | 27th | 31 | 30th | 43·7 | 33·7 | 38·9 | + 0·1 | 5 | 32 | 6 | 2·04 | + 1·53 | 2·0 | — | 28 | 5 | 23 | | | | | Shrewsbury. |
| a Cirencester | 446 | 48? | 27th | 24? | 30th | 42·8? | 30·8? | 37·0? | - 1·1? | 2? | 41? | 6 | 2·73 | + 2·16 | 1·6 | + 0·3 | 21 | 5 | 25 | 37·4 | | 42·2 | | Malvern.§ |
| a Bath | 66 | 53 | 27th | 29 | 30th | 47·9 | 35·0 | 41·7 | + 1·6 | 17 | 30 | 6 | 2·95 | + 2·31 | 2·1 | — | 28 | 3 | 20 | 39·3 | | 43·4 | | Cirencester. |
| | | | | | | | | | | | | | | | | | | | | 39·9 | -2·9 | 44·7 | -2·1 | Bath. |
| 5. ENGLAND, S.E. | | | | | | | | | | | | | | | | | | | | | | | | |
| p Kew | 18 | 51 | 28th | 30 | 30th | 46·6 | 35·1 | 41·1 | + 1·9 | 13 | 29 | 6 | 2·41 | + 2·00 | 1·4 | + 0·2 | 18 | 1 | 21 | 40·8 | -1·4 | 46·6 | +0·5 | Canterbury. |
| a Marlborough | 424 | 50 | 27th | 29 | 30th | 45·1 | 34·3 | 39·9 | + 1·9 | 9 | 31 | 4 | 1·21 | — | 1·9 | + 0·7 | 25 | 4 | 21 | 39·6 | -1·8 | 44·6 | -1·1 | Kew. |
| a Margate | 53 | 53 | 28th | 33 | 30th | 46·6 | 37·0 | 42·0 | + 1·9 | 13 | 14 | 7 | 3·13 | + 2·49 | 1·9 | + 0·7 | 25 | 3 | 21 | 39·9 | | 45·0 | | Marlborough. |
| a Wisley, Surrey | 150 | 52 | 27th | 32 | 29, 30 | 46·7 | 36·7 | 41·9 | + 2·4 | 13 | 23 | 5 | 1·10 | + 0·67 | 0·1 | - 1·4 | 1 | 2 | 28 | 41·3 | -1·0 | 45·2 | +0·3 | Margate. |
| | | | | | | | | | | | | 6 | 2·58 | — | 1·6 | — | 21 | 3 | 22 | 40·6 | -0·7 | 44·9 | -0·2 | Wisley. |
| | | | | | | | | | | | | | | | 1·2 | — | 16 | 2 | 25 | 41·5 | -0·5 | 46·0 | -0·5 | Worthing. |
| p Salisbury (Wilton) | 180 | 52 | 27, 28 | 27 | 30th | 47·4 | 33·3 | 40·6 | + 2·1 | 15 | 36 | 6 | 3·73 | + 3·01 | | | | 3 | 23 | 39·7 | | | | Salisbury. |
| x Tunbridge Wells | 354 | 52 | 28th | 29 | 30th | 46·9 | 36·1 | 41·7 | + 3·5 | 14 | 25 | 6 | 2·24 | + 1·63 | 0·8 | - 0·6 | 10 | 2 | 21 | 42·1 | +1·1 | 44·6 | | Tunbridge Wells |
| a Dungeness | 21 | 50 | 27, 28 | 32 | 30th | 46·3 | 38·0 | 42·3 | + 1·7 | 19 | 11 | 7 | 1·56 | + 1·09 | | | | | | | | | | Dungeness. |
| p Hastings | 178 | 52 | 28th | 32 | 30th | 47·0 | 37·7 | 42·5 | + 1·9 | 22 | 12 | 6 | 1·72 | + 1·13 | 0·9 | - 0·9 | 12 | 3 | 25 | 41·1 | | 45·8 | | Littlestone. |
| p Southampton | 64 | 52 | 27th | 30 | 30th | 47·9 | 36·4 | 42·4 | + 1·5 | 26 | 16 | 7 | 2·61 | + 1·97 | | | | 2 | 20 | | | | | Hastings. |
| a Ventnor | 59 | 52 | 27-29 | 37 | 29, 30 | 49·6 | 40·6 | 45·3 | + 2·5 | 29 | 4 | 7 | 2·37 | + 1·76 | 1·6 | 0·0 | 20 | | | | | | | Southampton. |
| | | | | | | | | | | | | | | | 1·6 | — | 21 | 1 | 24 | 42·3 | -1·1 | 46·4 | -0·9 | Ventnor. |
| | | | | | | | | | | | | | | | 0·8 | - 0·9 | 10 | | | 43·0 | | 47·9 | | Portsmouth. |
| | | | | | | | | | | | | | | | 1·9 | — | 25 | | | 41·3 | | 43·1 | | Eastbourne. |
| LONDON. | | | | | | | | | | | | | | | | | | | | | | | | Bournemouth. |
| a Westminster | 27 | 53 | 27, 28 | 30 | 30th | 48·5 | 38·0 | 43·5 | + 3·9 | 27 | 11 | 6 | 1·86 | + 1·45 | 1·2 | - 0·4 | 16 | 2 | 26 | | | 44·9 | | Brighton. |
| a Greenwich | 155 | 53 | 27th | 30 | 30th | 47·0 | 36·0 | 41·7 | + 2·1 | 14 | 26 | 6 | 1·83 | + 1·43 | 1·0 | + 0·5 | 13 | 2 | 28 | | | | | Westminster. |
| a Hampstead | 450 | 50 | 27th | 27 | 30th | 45·2 | 31·9 | 38·8 | — | 9 | 39 | 6 | 2·21 | — | 1·3 | + 0·2 | 17 | 3 | 22 | | | | | Greenwich. |
| a Camden Square | 110 | 52 | 27th | 29 | 30th | 46·7 | 36·6 | 41·9 | — | 13 | 24 | 6 | 2·05 | — | 1·1 | — | 15 | 3 | 22 | | | | | Hampstead. |
| | | | | | | | | | | | | | | | 0·9 | — | 12 | 6 | 19 | | | | | Camden Square. |
| | | | | | | | | | | | | | | | 0·6 | — | 8 | 4 | 25 | | | | | |
| 7. a, ENGLAND, N.W. | | | | | | | | | | | | | | | 1·9 | — | 26 | 5 | 20 | 35·8 | -4·1 | 42·5 | -0·4 | Burnley. |
| p Aspatria | 250 | 49 | 27th | 31 | 28, 29 | 43·0 | 33·9 | 38·6 | + 0·1 | 3 | 30 | 5 | 1·00 | + 0·20 | 1·1 | — | 16 | 2 | 28 | 37·5 | | 43·8 | | Hoylake. |
| p Newton Rigg | 559 | 48 | 27th | 21 | 30th | 41·4 | 30·6 | 36·2 | - 0·7 | 0 | 41 | 6 | 1·72 | + 0·88 | 1·1 | 0·0 | 16 | 7 | 17 | 36·2 | -4·0 | 41·0 | -1·2 | Aspatria. |
| p Stonyhurst | 375 | 47 | 27th | 28 | 28th | 42·4 | 33·0 | 37·9 | - 0·3 | 1 | 33 | 5 | 1·21 | + 0·23 | 1·0 | + 0·1 | 14 | 7 | 21 | | | | | Newton Rigg. |
| p Blackpool | 66 | 47 | 30th | 32 | 30th | 44·6 | 34·9 | 39·9 | + 0·5 | 7 | 28 | 6 | 0·97 | + 0·32 | 1·5 | + 0·5 | 21 | 3 | 29 | 38·7 | | 45·2 | | Stonyhurst. |
| a Southport | 37 | 48 | 27th | 32 | 28-30 | 44·3 | 33·9 | 39·3 | 0·0 | 6 | 31 | 5 | 1·13 | + 0·48 | 1·4 | + 0·4 | 19 | 2 | 27 | 35·3 | -4·0 | 40·6 | -1·8 | Blackpool. |
| a Liverpool (Bidston) | 188 | 47 | 27th | 31 | 28, 29 | 43·6 | 33·3 | 38·7 | - 1·7 | 4 | 33 | 6 | 1·10 | + 0·58 | 2·0 | — | 27 | | | | | | | Southport. |
| a Hawarden Bridge | 22 | 50 | 27th | 29 | 29th | 45·3 | 32·9 | 39·4 | - 1·3 | 9 | 36 | 6 | 2·31 | + 1·86 | 0·3 | — | 4 | 1 | 29 | 37·1 | -3·2 | 43·2 | -1·3 | Liverpool. |
| p Manchester (Whit. Pk.) | 125 | 48 | 27th | 31 | 30th | 43·9 | 34·9 | 39·6 | + 0·2 | 5 | 28 | 5 | 1·50 | + 0·86 | 0·7 | + 0·3 | 10 | | | | | | | Manchester (City). |
| | | | | | | | | | | | | | | | | | | | | | | | | " (Whit. Park). |
| b NORTH WALES. | | | | | | | | | | | | | | | | | | | | | | | | |
| p Llandudno | 71 | 49 | 27th | 35 | 28th | 45·1 | 37·7 | 41·6 | - 0·7 | 9 | 19 | 7 | 2·17 | + 1·56 | 1·6 | + 0·3 | 22 | | | | | | | Llandudno. |
| u Holyhead | 15 | 49 | 27th | 36 | 29th | 46·0 | 38·9 | 42·6 | + 0·1 | 17 | 9 | 6 | 2·56 | + 1·76 | 1·8 | — | 25 | | | | | | | Holyhead. |
| Bettws-y-Coed | 148 | 51 | 27th | 30 | 30th | 44·4 | 33·3 | 39·1 | - 2·7 | 7 | 34 | 6 | 2·19 | — | 0·6 | — | 8 | | | 38·4 | -3·3 | 43·8 | -1·1 | Bettws-y-Coed. |
| | | | | | | | | | | | | | | | 0·9 | — | 12 | | | | | | | Aberdovey. |

* For notes see also opposite page. † At 3 ft. § The temperature on the grass refers to Hereford.
‡ Raingauge and thermometers moved to new position on December 11th. Previous height 90 feet.

| DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL. | Height above M.S.L. of ground by Rain Gauge. | Temperature of the Air. In Degrees Fahrenheit. | | | | | | | | | Rainfall. | | | Bright Sunshine. Hours per Day. | | | Ground Temperature. | | | | | | STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Highest observed. | Date. | Lowest observed. | Date. | Mean for the Week. Of Highest each day. | Of Lowest each day. | For whole of each day. | Difference of Mean for the Week from Aver'ge | Accumulated Heat for the Week (in Day degrees). Above 42° | Below 42° | No. of Rain-Days. | Rainfall in the Week. | Difference from Average. | Daily Mean. | Difference from Average. | Percentage of possible duration. | Grass Min. Ground Frosts. | Grass Min. Lowest Reading. | Earth 1 ft Mean. | Earth 1 ft Difference from average. | Earth 4 ft. Mean. | Earth 4 ft. Difference from average | |
| | Ft. | ° | | ° | | ° | ° | ° | ° | day° | day° | | in. | in | hr. | hr. | % | ° | ° | ° | ° | ° | ° | |
| **8.** *a*, SOUTH WALES | | | | | | | | | | | | * | * | * | 1·0 | — | 13 | * | * | * | * | * | * | Aberystwyth. |
| *a* Llangammarch Wells | 550 | 49 | 27th | 29 | 30th | 42·9 | 32·7 | 38·0 | 0·0 | 3 | 25 | 7 | 4·25 | — | 1·0 | — | 13 | 5 | 22 | 39·5 | −2·7 | 45·8 | −0·3 | Llangammarch. |
| *a* Pembroke .. .. | 149 | 50 | 27th | 36 | 1st | 46·4 | 40·1 | 43·4 | − 0·5 | 18 | 5 | 6 | 2·91 | + 2·04 | 1·0 | − 0·5 | 13 | * | * | * | * | * | * | Pembroke. |
| *p* Cardiff .. .. .. | 202 | 50 | 27th | 32 | 30th | 46·1 | 35·6 | 41·1 | + 1·5 | 11 | 27 | 7 | 1·80 | + 0·83 | *2·4* | — | *32* | 2 | 25 | 39·2 | −2·5 | 44·1 | −1·0 | *Cardiff.* |
| *b*, ENGLAND, S.W. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Clifton .. .. .. | 229 | 51 | 27th | 31 | 1st | 45·0 | 35·7 | 40·5 | 0·0 | 8 | 25 | 6 | 2·43 | + 1·69 | *2·7* | — | *36* | 3 | 29 | * | * | * | * | *Clifton.* |
| *a* Shaftesbury .. .. | 722 | 49 | 27th | 30 | 29, 30 | 43·6 | 34·6 | 39·3 | + 0·6 | 4 | 28 | 6 | 2·63 | + 1·93 | * | * | * | * | * | 40·1 | * | 44·1 | * | Shaftesbury. |
| *a* Arlington .. .. | 613 | 50 | 27th | 32 | 30th | 44·6 | 34·7 | 39·9 | − 0·3 | 7 | 29 | 7 | 2·56 | + 1·24 | * | * | * | * | * | * | * | * | * | Arlington. |
| *a Newquay* .. .. | *190* | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | Newquay. |
| *a* Cullompton .. .. | 202 | 52 | 27th | 30 | 30th | 47·7 | 36·0 | 42·1 | + 1·7 | 26 | 17 | 7 | 3·68 | + 2·83 | 1·8 | + 0·5 | 23 | 5 | 21 | 42·0 | * | * | * | Cullompton. |
| *a* Portland Bill .. .. | 19 | 51 | 27, 28 | 38 | 29th | 48·4 | 41·9 | 45·3 | + 2·4 | 24 | 0 | 7 | 2·01 | — | *0·9* | *− 0·7* | *11* | * | * | * | * | * | * | *Weymouth.* |
| *p* Plymouth .. .. | 116 | 52 | 27th | 30 | 30th | 49·0 | 38·4 | 43·9 | + 0·7 | 28 | 10 | 7 | 3·06 | + 2·11 | 1·9 | + 0·1 | 24 | * | * | 43·2 | −1·7 | * | * | Plymouth. |
| *a* Falmouth .. .. | 167 | 52 | 27th | 36 | 30th | 48·9 | 40·0 | 44·6 | + 0·2 | 27 | 6 | 7 | 2·99 | + 1·72 | 2·0 | — | 25 | 1 | 29 | 43·9 | * | 46·6 | * | Falmouth. |
| **9.** IRELAND, N. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a*, West — *a* Malin Head .. .. | 208 | 45 | 27, 30 | 32 | 28th | 43·3 | 34·1 | 38·9 | − 2·6 | 4 | 30 | 4 | 0·51 | − 0·17 | *1·0* | — | *15* | * | * | * | * | * | * | *Malin Head.* |
| *a*, West — *a* Blacksod Point .. | ? | 45 | 27, 29, 1 | 34 | 28, 29, 31 | 43·4 | 35·9 | 39·8 | − 3·4 | 4 | 23 | 7 | 1·22 | − 0·04 | * | * | * | * | * | * | * | * | * | * |
| *a*, West — *p* Markree Castle .. | 122 | 45 | 1st | 28 | 29th | 41·1 | 31·1 | 36·3 | − 3·8 | 0 | 40 | 7 | 1·29 | + 0·31 | 1·8 | + 0·7 | 25 | 5 | 27 | 38·9 | * | 44·7 | * | Markree Castle |
| *a*, West — *a* Birr Castle .. .. | 175 | 45 | 30, 1 | 29 | 28th | 41·9 | 32·6 | 37·4 | − 2·8 | 0 | 32 | 7 | 1·77 | + 1·09 | *2·5* | *+ 1·1* | *34* | * | * | * | * | * | * | *Birr Castle.* |
| *b*, East — *p* Armagh .. .. | 196 | 46 | 1st | 30 | 28, 30 | 40·7 | 31·9 | 36·5 | − 3·3 | 0 | 39 | 6 | 1·31 | + 0·70 | 2·3 | + 1·0 | 32 | 4 | 27 | 39·1 | − 2·5 | 43·9 | −0·8 | Armagh. |
| *b*, East — *a* Donaghadee .. .. | 101 | 46 | 30th | 29 | 29th | 42·9 | 33·0 | 38·2 | − 3·0 | 3 | 34 | 4 | 1·65 | + 1·00 | * | * | * | * | * | * | * | * | * | * |
| | | | | | | | | | | | | | | | * | * | * | 5 | 23 | 39·0 | −3·1 | 43·3 | −1·9 | Trinity Coll. |
| **10.** IRELAND, S. | | | | | | | | | | | | | | | 2·9 | + 1·2 | 40 | 4 | 25 | * | * | * | * | Phœnix Park. |
| *a*, East — *p* Dublin, City .. .. | 47 | 52 | 27th | 32 | 28th | 44·0 | 34·1 | 39·3 | − 2·9 | 6 | 31 | 6 | 2·40 | + 1·91 | * | * | * | 1 | 30 | * | * | * | * | Dublin City. |
| *a*, East — *a* Kilkenny .. .. | 212 | 47 | 29, 30, 1 | 26 | 30th | 43·9 | 31·3 | 37·9 | − 2·8 | 5 | 41 | 6 | 1·86 | + 1·11 | * | * | * | * | * | * | * | * | * | * |
| *a*, East — *a* Waterford .. .. | 30 | 51 | 29th | 31 | 30, 31 | 47·1 | 33·7 | 40·7 | − 1·1 | 14 | 35 | 6 | 2·23 | + 1·27 | * | * | * | * | * | * | * | * | * | * |
| *a*, East — *a Seskin, Carrick-on-Suir* | *541* | *50* | *27th* | *31* | *29, 30* | *43·6* | *33·3* | *38·7* | — | *4* | *33* | *6* | *2·27* | — | *2·1* | — | *28* | 4 | 26 | * | * | * | * | *Seskin.* |
| *b*, West — *a* Birr Castle .. .. | 175 | 45 | 30, 1 | 29 | 28th | 41·9 | 32·6 | 37·4 | − 2·8 | 0 | 32 | 7 | 1·77 | + 1·09 | 2·5 | + 1·1 | 34 | * | * | * | * | * | * | Birr Castle. |
| *b*, West — *a* Foynes .. .. | 50 | 46 | 29, 1 | 32 | 29-31 | 42·6 | 33·7 | 38·3 | − 4·4 | 2 | 31 | 7 | 2·55 | + 1·59 | * | * | * | * | * | * | * | * | * | * |
| *b*, West — *a* Cahir .. .. | 199 | | | | | | | | | | | | | | * | * | * | * | * | * | * | * | * | * |
| *b*, West — *a* Killarney .. .. | 174 | 48 | 29th | 33 | 29, 31 | 44·5 | 35·1 | 40·0 | − 3·0 | †7 | 27 | 7 | 2·99 | + 1·42 | * | * | * | * | * | * | * | * | * | * |
| *b*, West — *a* Valencia .. .. | 30 | 48 | 29, 1 | 36 | 29th | 46·1 | 37·9 | 42·2 | − 3·0 | 19 | 11 | 7 | 3·03 | + 1·62 | 1·0 | − 0·4 | 13 | * | * | * | * | * | * | Valencia. |
| *a* Roche's Point .. .. | 32 | 49 | 29, 31, 1 | 35 | 28-30 | 46·9 | 37·3 | 42·3 | − 2·1 | 22 | 13 | 7 | 1·69 | + 0·49 | 1·4 | — | 18 | * | * | * | * | * | * | Ballinacurra. |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | | | | | | | | | | | | | | | |
| *a* Scilly, St. Mary's .. | 131 | 52 | 27th | 38 | 29, 30 | 49·4 | 41·0 | 45·4 | − 1·6 | 28 | 3 | 7 | 2·44 | + 1·56 | 2·1 | + 0·5 | 27 | * | * | * | * | * | * | Scilly. |
| *a* Jersey, St. Aubins .. | 25 | 55 | 27th | 39 | 27th | 50·3 | 42·1 | 46·4 | + 2·4 | 31 | 0 | 7 | 1·42 | + 0·60 | 1·3 | − 0·7 | 16 | * | * | * | * | * | * | St. Heliers. |
| *a* Guernsey (Villa Carey) | 180 | 53 | 27th | 39 | 30th | 48·9 | 41·6 | 45·4 | + 0·7 | 25 | 1 | 7 | 2·79 | + 1·87 | 1·1 | − 0·4 | 14 | 0 | 31 | 44·2 | −1·6 | 47·9 | −0·8 | Guernsey.* |

Additional Sunshine Means:—*Bognor, 1·3 hrs. 17 %; Ramsgate, 0·1 hrs. 1 %; Rhyl, 2·3 hrs. 32 %; Salcombe, 2·2 hrs. 28 %; Tenby, 1·3 hrs. (−0·3) 17 %; Torquay, 2·2 hrs. (+0·4) 28 %.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

## III.—TEMPERATURE of the SEA. [1907.]

Week ending on morning of Saturday, Jan. 2nd.

Taken daily at or about sunrise and at 4 p.m.

| DISTRICT AND STATION. | Highest. | Lowest. | Mean. | Difference from Average. |
|---|---|---|---|---|
| | ° | ° | ° | ° |
| SCOTLAND, N. | | | | |
| Lerwick .. .. | — | — | — | — |
| Kirkwall .. .. | — | — | — | — |
| Wick* .. .. .. | 43 | 43 | 43·0 | −2·8 |
| SCOTLAND, E. | | | | |
| Cromarty .. .. | — | — | — | — |
| Pennan Bay .. .. | — | — | — | — |
| Aberdeen, Cove Bay | — | — | — | — |
| SCOTLAND, W. | | | | |
| Lamlash .. .. | — | — | — | — |
| Ballantrae .. .. | 42 | 36 | 38·6 | −5·5 |
| ENGLAND, N.E. | | | | |
| Burnmouth, Berwick | 38 | 37 | 37·7 | −4·6 |
| Scarborough .. .. | — | — | — | — |
| ENGLAND, E. | | | | |
| Shipwash Lightship | — | — | — | — |
| ENGLAND, S.E. | | | | |
| Eastbourne‡ .. .. | 46 | 43 | 44·4 | −0·2 |
| ENGLAND, N.W. | | | | |
| Port Erin .. .. | 49 | 47 | 47·6 | −0·1 |
| ENGLAND, S.W. | | | | |
| Newquay .. .. | — | — | — | — |
| Scilly .. .. .. | 50 | 48 | 49·0 | — |
| Plymouth‡ .. .. | 48 | 47 | 47·4 | −1·5 |
| Salcombe .. .. | — | — | — | — |
| IRELAND, N.W. | | | | |
| Sheephaven .. .. | — | — | — | — |
| Teelin .. .. .. | — | — | — | — |
| IRELAND, S.W. | | | | |
| Cleggan .. .. | 47 | 45 | 46·1 | +1·1 |
| Seafield .. .. | — | — | — | — |

* Two days only. ‡ Only one observation each day.

## IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, January 2nd.

| DISTRICT AND STATION. | Height above Ground. | Distribution of Wind. Gales force 8 or more. Dates of Occurrence. | Gales force 8 or more. Total Duration. | High Winds, forces 6 and 7. Dates of Occurrence. | High Winds, forces 6 and 7. Total Duration. | Fresh or Moderate Winds forces 4 and 5. Total Duration. | Calms and Light Airs. Total Duration. | Extreme Velocities. Highest Hourly Wind. Direction and Velocity. | Highest Hourly Wind. Date and Hour. | Highest Gust with Date and Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | ft. | | hr. | | hr. | hr. | hr. | m/s. | | m/s. d. h. m. |
| **1.** SCOTLAND, E. | | | | | | | | | | |
| Dyce .. .. .. | 75 | — | — | 27, 1 | 15 | 48 | 105 | SE. by E. 14 | 27th 8h. | 27 27th 8. 0 |
| Aberdeen* .. .. | 105 | — | — | 27, 30 to 2 | 34 | 46 | 88 | SE. 17 | 1st 18h. | 31 27th 6.55 |
| Rosyth .. .. | 73 | — | — | — | — | — | — | — | — | — — — |
| **6.** SCOTLAND, W. | | | | | | | | | | |
| Eskdalemuir .. | 50 | — | — | 27, 30 to 2 | 20 | 70 | 78 | SE. 16 | 1st 14h. | 26 1st 13.50 |
| Paisley (Coats Obs.) | 80 | — | — | 27, 30, 1 | 7 | 55 | 106 | S. 15 | 27th 6h. | 27 27th 6.10 |
| **2.** ENGLAND, N.E. | | | | | | | | | | |
| Alnwick Castle .. | 70 | — | — | 27, 30, 1 | 17 | 33 | 118 | SE. by S. 16 | 1st 15h. | 25 1st 13.30 |
| South Shields .. | 61 | 1st | 1 | 27, 30 to 1 | 27 | 56 | 84 | SSE. 17 | 1st 15h. | 26 1st 15.25 |
| Spurn Head .. | 40 | 28th | 1§ | 27 to 1 | 51§ | 76§ | 36§ | N. 18 | 28th 24h. | 25 28th 24.10 |
| **3.** ENGLAND, E. | | | | | | | | | | |
| Gorleston .. .. | 42 | 27, 29, 1 | 8 | 27 to 1 | 50 | 62 | 48 | — 20 | 1st 17h. | 33 29th 1.20 |
| Shoeburyness .. | 90 | 28th | 4 | 27 to 1 | 36 | 89 | 39 | — 22 | 28th 21h. | 34 28th 21.15 |
| **4.** MIDLAND COUNTIES. | | | | | | | | | | |
| Benson .. .. | 84 | — | — | 27, 28, 30 to 1 | 27 | 93 | 48 | SSE. 16 | 30th 21h. | 23 30th 20.25 |
| **5.** ENGLAND, S.E. | | | | | | | | | | |
| Dover .. .. | 40 | 28th | 5 | 27 to 2 | 55 | 67 | 41 | — 22 | 28th 21h. | 36 28th 20.25 |
| Warlingham .. | 33 | — | — | 27, 28, 30, 1 | 9 | 93 | 66 | — 15 | 28th 21h. | 29 28th 20.25 |
| Brighton .. .. | 53 | 28th | 1§ | 27, 28, 30, 1 | 24§ | 45§ | 9§ | — 18 | 28th 20h. | 31 28th 20.10 |
| Kew† .. .. | 65 | — | — | 28th | 3 | 53 | 112 | WSW. 14 | 28th 21h. | 27 28th 20.25 |
| South Kensington | 92 | — | — | — | — | 9 | 159 | W. 9 | 28th 21h. | 18 28th 20.40 |
| **7.** ENGLAND, N.W. | | | | | | | | | | |
| Carnforth .. .. | 47 | — | — | — | — | 44 | 124 | S. 10 | 27th 7h. | 19 27th 7.35 |
| Southport .. .. | 62 | — | — | 27, 29, 30, 1, 2 | 41 | 85 | 42 | SE. by S. 17 | 1st 12h. | 28 1st 10.10 |
| Holyhead* .. .. | 40 | 27, 1 | 8 | 27 to 2 | 74 | 69 | 17 | SSE. 20 | 27th 4h. | 29 27th 2.30 |
| **8.** ENGLAND, S.W. | | | | | | | | | | |
| Pendennis Castle* | 65 | 27, 28, 30, 1 | 37 | 27 to 2 | 52 | 56 | 23 | S. 28 | 1st 8h. | 37 1st 7.40 |
| Plymouth .. .. | 86 | 27, 30, 1 | 21 | 27, 28, 30 to 1 | 32 | 52 | 63 | — 23 | 1st 9h. | 32 1st 9.20 |
| **10.** IRELAND, S. | | | | | | | | | | |
| Quilty .. .. | 40 | 27, 1, 2 | 14§ | 27 to 2 | 46§ | 83§ | 12§ | — 20 | 1st 14h. | 29 27th 0.40 |
| Weaver Pt. .. | 30 | 27, 30, 1 | 9 | 27 to 1 | 34 | 72 | 53 | — 23 | 1st 4h. | 33 27th 1.0 |
| **11.** ENGLISH CHANNEL. | | | | | | | | | | |
| Scilly* .. .. | 19 | 28, 29, 1 | 17§ | 27 to 2 | 71§ | 62§ | 14§ | SSE. 22 | 1st 4h. | 30 28th 22.5 |

## NOTES ON TABLES II. and III.

The temperature of the Air is obtained from thermometers placed in a louvred screen about 4 ft. from the ground.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a* and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases. A night is reckoned as a night of ground frost if the thermometer on the grass falls to 30° or below. The observations of earth temperature are made at 9 a.m.

The Rainfall is measured at the hour of morning observation and entered to the preceding day. The rims of the gauges are 1 foot above the ground.

The averages for Earth Temperatures and Sea Temperatures are for the 5 years 1907–1911, but in some cases for 1908–1911, or 1909–1911.

Values in Table II. printed in italic type are not used for the computation of the "District Values" shown in Table V.

## NOTES ON TABLE IV.

All the records were obtained from instruments of the Dines' Pressure Tube type with the exception of those from Carnforth which were taken from an anemobiagraph.

The Wind velocity is expressed in metres per second (m/s). 1 m/s = 2·24 miles per hour.

* Wind Direction at these stations is taken from the Robinson Instrument.

† Until May 9th the anemograph was about ½ mile East of the Observatory with a vane 40 ft. above ground. The instrument now used is on the Observatory Building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

# V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

**[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]**

**Explanation of the Summary.**—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

**FIFTY-SECOND WEEK**—December 27th, 1914, to January 2nd, 1915.

| DISTRICTS. (See Frontispiece map.) | Temperature of the Air.† | | | | | | | | | | Rainfall. | | | | Sunshine. | | | Pressure Mean for the Week at M.S.L.‖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest. | Lowest. | Means of | | | | Accumulated Number of Day-Degrees. | | | | Number of Rain-Days. | Diff. from Av. (25 Yrs.) | Total Fall. | Difference from Average (25 Yrs.) | Daily Mean. | Diff. from Av. (25 Yrs.) | Percentage of Possible Duration. | |
| | | | Daily Max. | Daily Min. | Daily Mean. | Difference from Av. (‡25 Yrs.) | Above 42° | Difference from Av. (‡25 Yrs.) | Below 42° | Difference from Av. (‡25 Yrs.) | | | | | | | | |
| | ° | ° | ° | ° | ° | ° | day-deg. | day-deg. | day-deg. | day-deg. | | | inches. | inches. | hr. | hr. | % | mb. |
| 0. SCOTLAND, NORTH ... | 46 | 22 | 41·4 | 32·9 | 37·3 | − 1·0 | 0 | − 7 | 33 | − 1 | 6 | + 1 | 1·19 | +0·05 | 0·6 | 0·0 | 10 | 984 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 48 | 17 | 40·1 | 30·1 | 35·3 | − 1·5 | 0 | − 6 | 47 | + 4 | 4 | 0 | 0·79 | +0·18 | 1·5 | +0·6 | 22 | 987 |
| 2. ENGLAND, N.E. . ... | 48 | 28 | 42·1 | 33·0 | 37·7 | − 0·3 | 0 | − 7 | 33 | − 3 | 5 | + 2 | 1·01 | +0·61 | 1·3 | +0·2 | 18 | 991 |
| 3. ENGLAND, EAST ... | 52 | 28 | 45·1 | 34·1 | 39·8 | + 2·3 | 9 | + 1 | 31 | −10 | 6 | + 2 | 1·89 | +1·50 | 0·6 | −0·7 | 8 | 996 |
| 4. MIDLAND COUNTIES ... | 53 | 27 | 43·6 | 32·7 | 38·4 | + 1·0 | 4 | − 5 | 35 | − 6 | 6 | + 2 | 1·83 | +1·31 | 1·5 | +0·4 | 20 | 993 |
| 5. ENGLAND, S.E. ... ... | 53 | 27 | 47·0 | 36·5 | 42·0 | + 2·4 | 14 | + 1 | 15 | −15 | 6 | + 2 | 2·35 | +1·83 | 1·2 | −0·2 | 16 | 997 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 49 | 25 | 42·0 | 33·3 | 37·8 | − 1·4 | 0 | − 9 | 29 | 0 | 6 | + 1 | 1·51 | +0·37 | 1·4 | +0·5 | 20 | 988 |
| 7. ENGLAND, N.W. ... ... | 49 | 21 | 43·8 | 34·7 | 39·4 | + 0·1 | 5 | − 5 | 28 | − 1 | 6 | + 2 | 1·53 | +0·86 | 1·3 | +0·4 | 18 | 989 |
| 8. ENGLAND, S.W. ... ... | 52 | 29 | 46·3 | 37·0 | 41·8 | + 0·4 | 12 | − 5 | 22 | + 1 | 7 | + 3 | 2·83 | +1·89 | 1·5 | +0·1 | 19 | 993 |
| 9. IRELAND, NORTH ... | 46 | 28 | 42·2 | 33·1 | 37·9 | − 2·7 | 1 | − 12 | 33 | +10 | 6 | + 2 | 1·29 | +0·46 | 2·1 | +1·0 | 29 | 983 |
| 10. IRELAND, SOUTH ... | 52 | 26 | 44·6 | 34·5 | 39·8 | − 2·7 | 7 | − 14 | 30 | +12 | 7 | + 2 | 2·32 | +1·25 | 2·0 | +0·6 | 26 | 987 |
| 11. ENGLISH CHANNEL ... | 55 | 38 | 49·5 | 41·6 | 45·7 | + 0·7 | 28 | 0 | 1 | − 6 | 7 | + 2 | 2·22 | +1·45 | 1·5 | −0·4 | 19 | 995 |

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 5 Weeks, November 29th, 1914 to January 2nd, 1915.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 56 | 18 | * | * | * | * | 16 | − 30 | 167 | +20 | 26 | − 1 | 9·36 | +2·65 | 0·6 | −0·1 | 9 | 992 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 56 | 7 | * | * | * | * | 18 | − 23 | 212 | +25 | 22 | + 2 | 6·25 | +2·92 | 1·2 | +0·2 | 17 | 994 |
| 2. ENGLAND, N.E. ... ... | 59 | 23 | * | * | * | * | 50 | + 1 | 124 | −22 | 26 | + 7 | 4·42 | +1·91 | 1·3 | 0·0 | 18 | 998 |
| 3. ENGLAND, EAST ... | 58 | 24 | * | * | * | * | 89 | + 35 | 94 | −74 | 28 | + 9 | 6·37 | +4·13 | 1·1 | −0·3 | 15 | 1002 |
| 4. MIDLAND COUNTIES ... | 59 | 20 | * | * | * | * | 58 | + 1 | 134 | −39 | 26 | + 7 | 6·52 | +3·87 | 1·3 | +0·1 | 17 | 1000 |
| 5. ENGLAND, S.E. ... ... | 56 | 24 | * | * | * | * | 116 | + 32 | 68 | −51 | 29 | +10 | 9·38 | +6·43 | 1·3 | −0·2 | 16 | 1003 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 55 | 19 | * | * | * | * | 39 | − 26 | 123 | +10 | 26 | + 3 | 7·98 | +1·89 | 1·0 | 0·0 | 13 | 995 |
| 7. ENGLAND, N.W. ... ... | 60 | 21 | * | * | * | * | 65 | − 2 | 92 | −22 | 28 | + 7 | 7·01 | +3·14 | 1·2 | +0·2 | 16 | 996 |
| 8. ENGLAND, S.W. ... ... | 56 | 21 | * | * | * | * | 105 | 0 | 77 | − 7 | 30 | + 8 | 10·13 | +5·06 | 1·7 | +0·2 | 22 | 1000 |
| 9. IRELAND, NORTH ... | 56 | 14 | * | * | * | * | 45 | − 28 | 129 | +26 | 29 | + 4 | 7·02 | +2·72 | 1·2 | −0·1 | 16 | 992 |
| 10. IRELAND, SOUTH ... | 57 | 17 | * | * | * | * | 79 | − 38 | 118 | +39 | 31 | + 7 | 9·63 | +4·59 | 1·8 | +0·2 | 23 | 995 |
| 11. ENGLISH CHANNEL ... | 56 | 32 | * | * | * | * | 178 | + 9 | 13 | − 8 | 32 | + 7 | 9·80 | +5·40 | 1·4 | −0·5 | 18 | 1002 |

THE YEAR.—Aggregates, &c., for the Period of 52 Weeks, January 4th, 1914, to January 2nd, 1915.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0. SCOTLAND, NORTH ... | 85 | 16 | * | * | * | * | 2276 | +164 | 629 | −167 | 239 | − 8 | 49·31 | −3·00 | 3·0 | 0·0 | 25 | 1008 |
| **Eastern.** | | | | | | | | | | | | | | | | | | |
| 1. SCOTLAND, EAST ... | 88 | 7 | * | * | * | * | 2555 | +202 | 817 | −111 | 195 | − 8 | 31·48 | +0·71 | 3·8 | +0·2 | 31 | 1010 |
| 2. ENGLAND, N.E. ... ... | 85 | 23 | * | * | * | * | 3077 | +436 | 485 | −200 | 183 | − 1 | 24·82 | +0·05 | 4·2 | +0·2 | 35 | 1012 |
| 3. ENGLAND, EAST ... | 87 | 19 | * | * | * | * | 3449 | +402 | 452 | −312 | 181 | + 2 | 25·50 | +1·98 | 4·6 | +0·3 | 38 | 1013 |
| 4. MIDLAND COUNTIES ... | 88 | 15 | * | * | * | * | 3268 | +306 | 586 | −212 | 179 | + 2 | 28·60 | +2·36 | 4·0 | +0·2 | 33 | 1013 |
| 5. ENGLAND, S.E. ... ... | 90 | 10 | * | * | * | * | 3581 | +251 | 366 | −183 | 177 | + 5 | 33·53 | +6·62 | 4·9 | +0·5 | 41 | 1014 |
| **Western.** | | | | | | | | | | | | | | | | | | |
| 6. SCOTLAND, WEST ... | 83 | 18 | * | * | * | * | 2757 | +175 | 510 | − 93 | 210 | − 4 | 43·92 | −4·28 | 3·7 | 0·0 | 30 | 1010 |
| 7. ENGLAND, N.W. ... ... | 86 | 21 | * | * | * | * | 3108 | +284 | 369 | −178 | 199 | + 2 | 36·19 | +1·41 | 4·1 | +0·3 | 34 | 1012 |
| 8. ENGLAND, S.W. ... ... | 86 | 16 | * | * | * | * | 3398 | +205 | 326 | − 96 | 207 | +10 | 46·09 | +7·44 | 4·5 | +0·2 | 37 | 1013 |
| 9. IRELAND, NORTH ... | 80 | 14 | * | * | * | * | 2879 | +175 | 438 | − 65 | 229 | − 3 | 38·24 | −0·06 | 3·5 | 0·0 | 29 | 1010 |
| 10. IRELAND, SOUTH ... | 81 | 17 | * | * | * | * | 3349 | +197 | 344 | − 41 | 227 | +19 | 44·57 | +4·37 | 4·0 | 0·0 | 33 | 1012 |
| 11. ENGLISH CHANNEL ... | 84 | 25 | * | * | * | * | 3997 | +205 | 88 | − 44 | 203 | − 9 | 39·62 | +6·96 | 4·9 | −0·3 | 41 | 1014 |

M.O., January 6, 1915.

* An Asterisk is inserted in all places for which the information is not usually given.
† The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground.
‡ In districts 0, 1, and 6, the averages for district temperature are for 20 years only.
‖ The District Values for Pressure are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report. They are expressed in millibars (1000 mb = 29·531 mercury-inches).

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# THE METEOROLOGICAL OFFICE.

## BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1914.

## PART I.

THE

# WEEKLY WEATHER REPORT

(VOL. XXXI.—NEW SERIES).

**SECTION 2.—Daily Synoptic Charts of the Greater Part of the Northern Hemisphere. (Weeks 1 to 30.)**

Published by the Authority of the Meteorological Committee.

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1919.

# PREFACE.

Daily synoptic charts have been published in the Weekly Weather Report since June 11th, 1878. The report then contained small inset maps, two for each day, showing respectively the distributions of pressure and wind and of temperature and weather. The area charted was restricted to Western Europe and only observations taken at the hour of morning observation were shown.

In 1884, when the size of page of the Report was increased from octavo to quarto, a third map was added for each day showing the distribution of barometer and wind at the hour of evening observation also. Simultaneously the scale of the maps was increased to $1 : 5 \times 10^7$, and the area charted was also slightly increased.

In 1889 the area was again enlarged. Henceforward it included the whole of Europe. The scale of the maps and the character of the information shown remained the same.

Except for the use of a blue tint to distinguish the sea from the land no further change was made in the charts to the end of 1911.

Up to that time the maps had been confined to Europe. In 1912 a single map was issued for each day. It included the whole of Europe, the North Atlantic Ocean and a portion of the American Continent and showed the distribution of pressure, wind, temperature and weather over that area at the hour of morning observation. The maps showing the distribution at the hour of evening observation were discontinued. At the same time a map was added showing for each week the mean surface temperature of the waters of the Atlantic Ocean. The scale was $1 : 4 \times 10^7$.

At the beginning of 1913 advantage was taken of the publication by the Russian Meteorological Service in its Daily Report of information for Siberia, to extend the area included in the charts. The maps of the present series embrace nearly the whole of the temperate region of the Northern Hemisphere, the Pacific Ocean being the only part not charted. In addition to the information received at the Office by telegram or radiogram, information abstracted from the Daily Weather Reports of foreign countries was used in the preparation of the charts. The reports most generally consulted were those issued by the meteorological services of the United States of America, Canada, France, Russia and Egypt. The increase in the area charted rendered necessary a reduction of the scale of the maps from $1 : 4 \times 10^7$ to $1 : 8 \times 10^7$.

A map for each day shows the distribution of pressure, wind, temperature and weather over North America, the North Atlantic Ocean, Europe, Egypt and Siberia at the hour of morning observation. The exact times of the observations are set out on the last page of each weekly issue. An inset map, on the same scale as the main map, shows the distribution over Europe at the hour of evening observation. The maps are accompanied by a brief account of the weather conditions over Europe during the day.

The normal temperature for the month of the surface water of the Atlantic and the adjacent seas is shown by shading on the daily charts. The same scheme of shading is used for the special sea temperature map on the scale $1 : 4 \times 10^7$ on which the temperature of the surface water for the week is shown. The figures indicate the average temperature for each two-degree square as deduced from the ships' logs which reached the Office in time for examination.

The daily charts included in the present series were issued regularly with the Weekly Weather Report, the charts for each week being published with the Weekly Weather Report for the succeeding week, so that information received by post from foreign Meteorological Bureaus might be included.

The outbreak of the European War necessitated the discontinuance of the publication of the charts. The last number issued was that for the 30th week of 1914. It was anticipated that the charts for the remainder of the year would be completed and printed for inclusion in the present volume, but the material available is still fragmentary, and it has now been decided that the issue of a set of completed maps for the period of the war at a later date, when there have been opportunities for collecting all information which may be available, will be preferable.

It may be mentioned that a chart of the Northern Hemisphere was published by the United States Weather Bureau for each day from January 1st to August 6th, 1914.

Reference may also be made to the following series of charts for earlier years :—

1. Daily Charts for the North Atlantic Ocean published by the Danish Meteorological Institute, Copenhagen, Sept. 1873–Nov. 1876.
2. Similar Charts published by the same Institute in conjunction with the Deutsche Seewarte, Hamburg, Dec. 1880–Nov. 1908.
3. Charts of the North Atlantic and the adjacent Continents, published by the Meteorological Office for every day from August 1st, 1882 to September 3rd, 1883 (a year of international cooperation in polar exploration).
4. Charts published by the Meteorological Office illustrating the weather of the North Atlantic in the winter of 1898–9.

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## NOTICE TO THE BINDER.

Each weekly issue of the Weekly Weather Report contains a printed sheet and a set of charts. The printed sheets are to be bound together as Section 1 ; the charts as Section 2.

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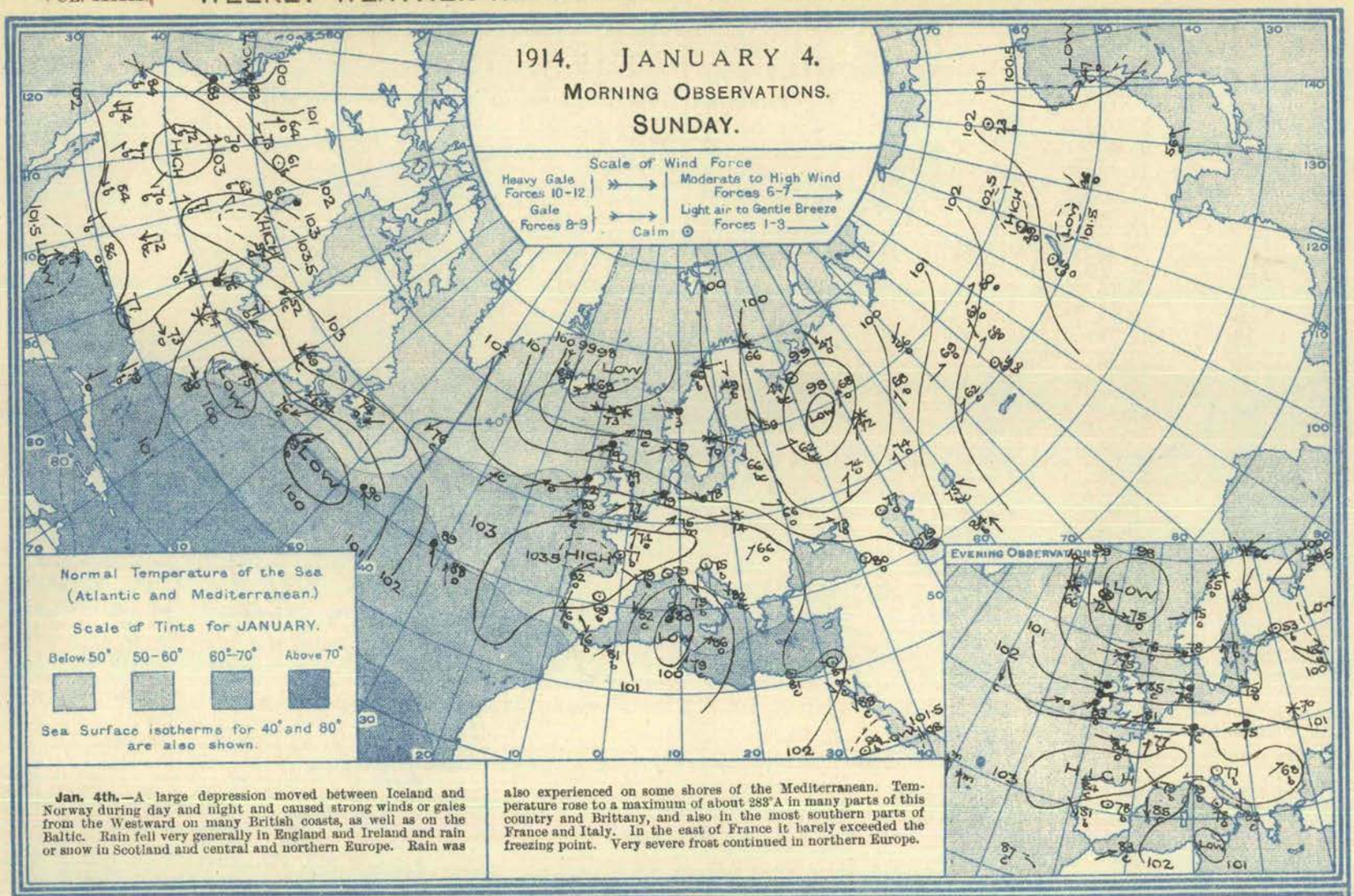
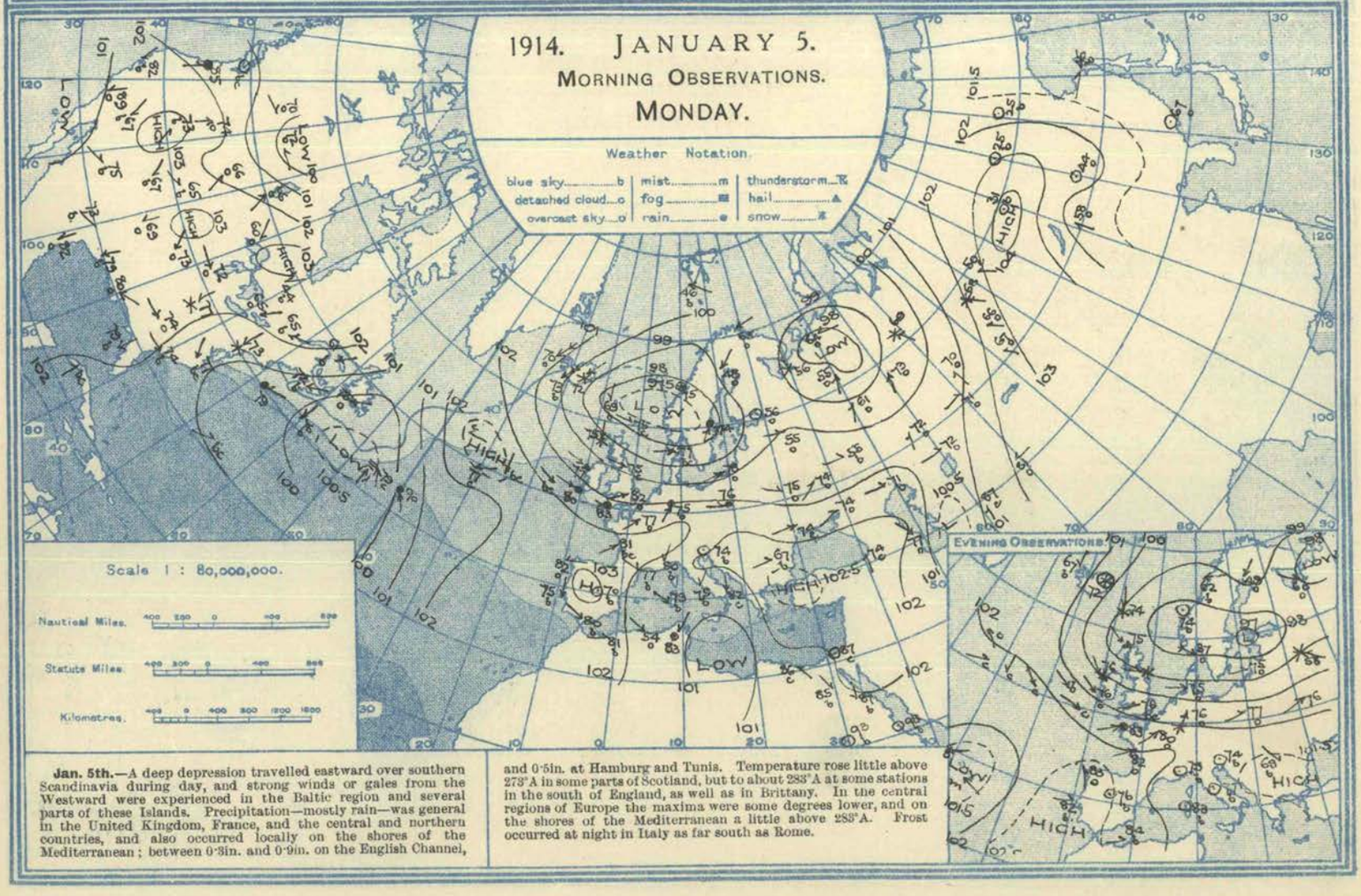
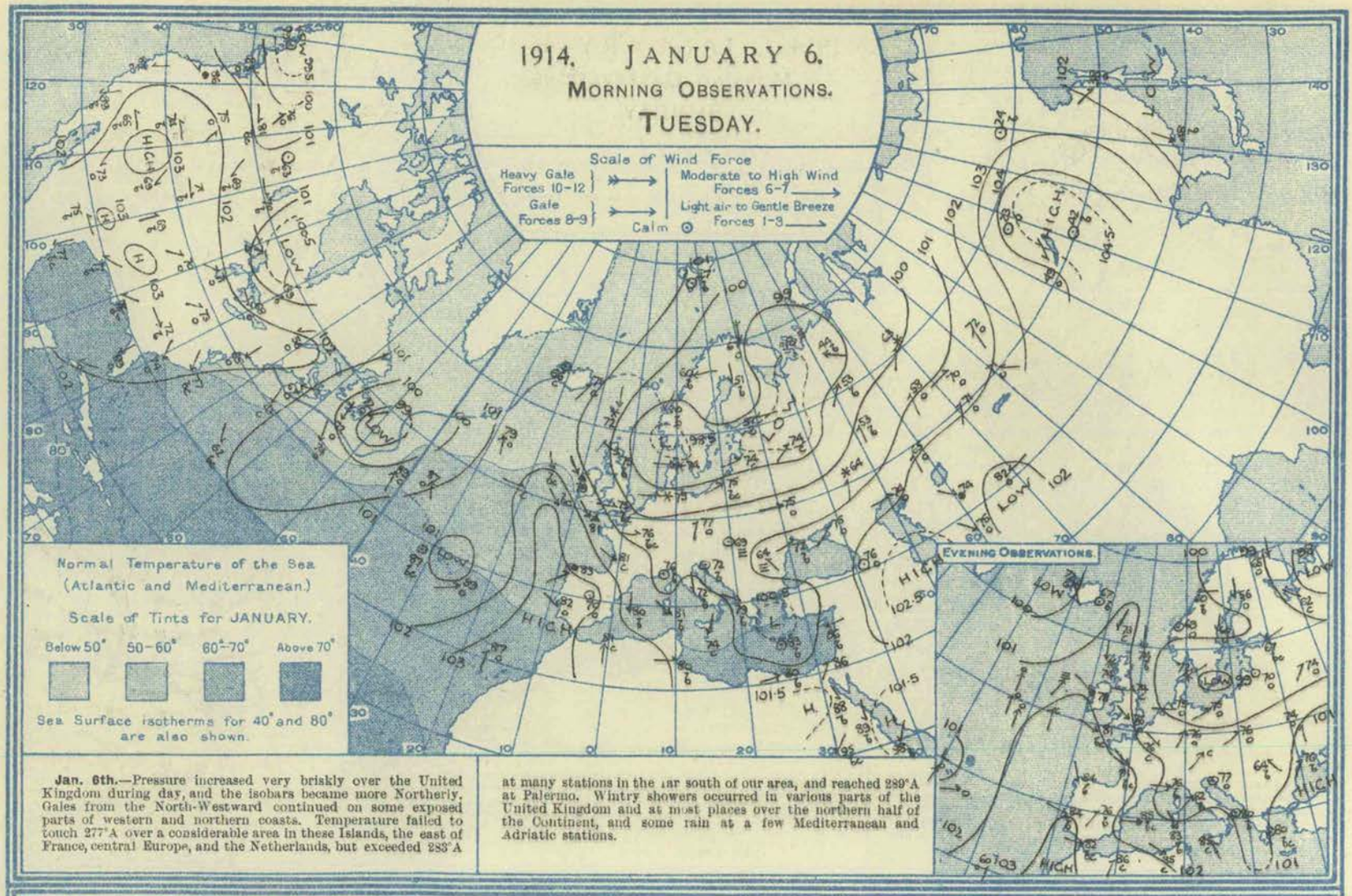
22534.



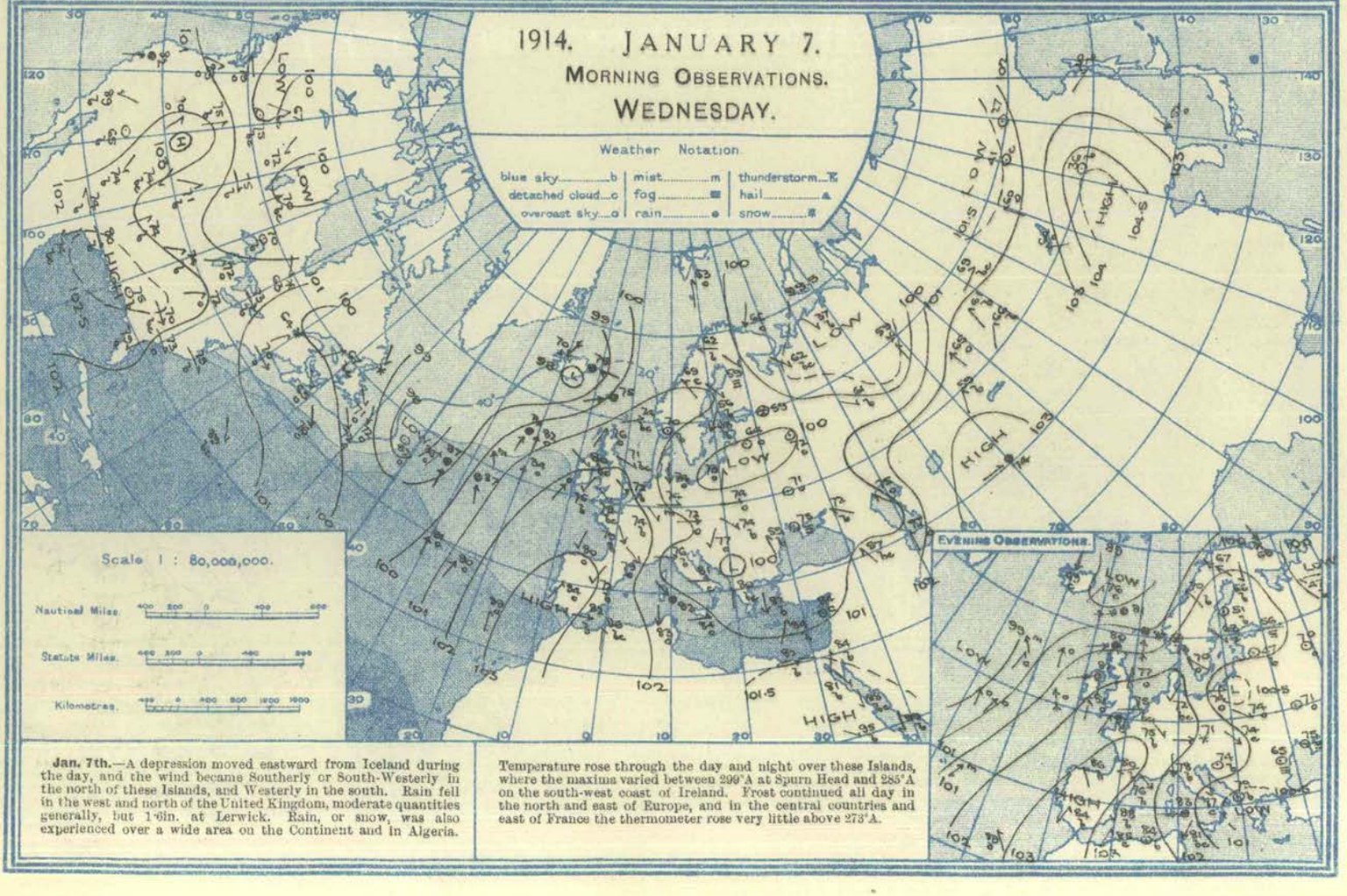

**Jan. 4th.**—A large depression moved between Iceland and Norway during day and night and caused strong winds or gales from the Westward on many British coasts, as well as on the Baltic. Rain fell very generally in England and Ireland and rain or snow in Scotland and central and northern Europe. Rain was also experienced on some shores of the Mediterranean. Temperature rose to a maximum of about 283°A in many parts of this country and Brittany, and also in the most southern parts of France and Italy. In the east of France it barely exceeded the freezing point. Very severe frost continued in northern Europe.



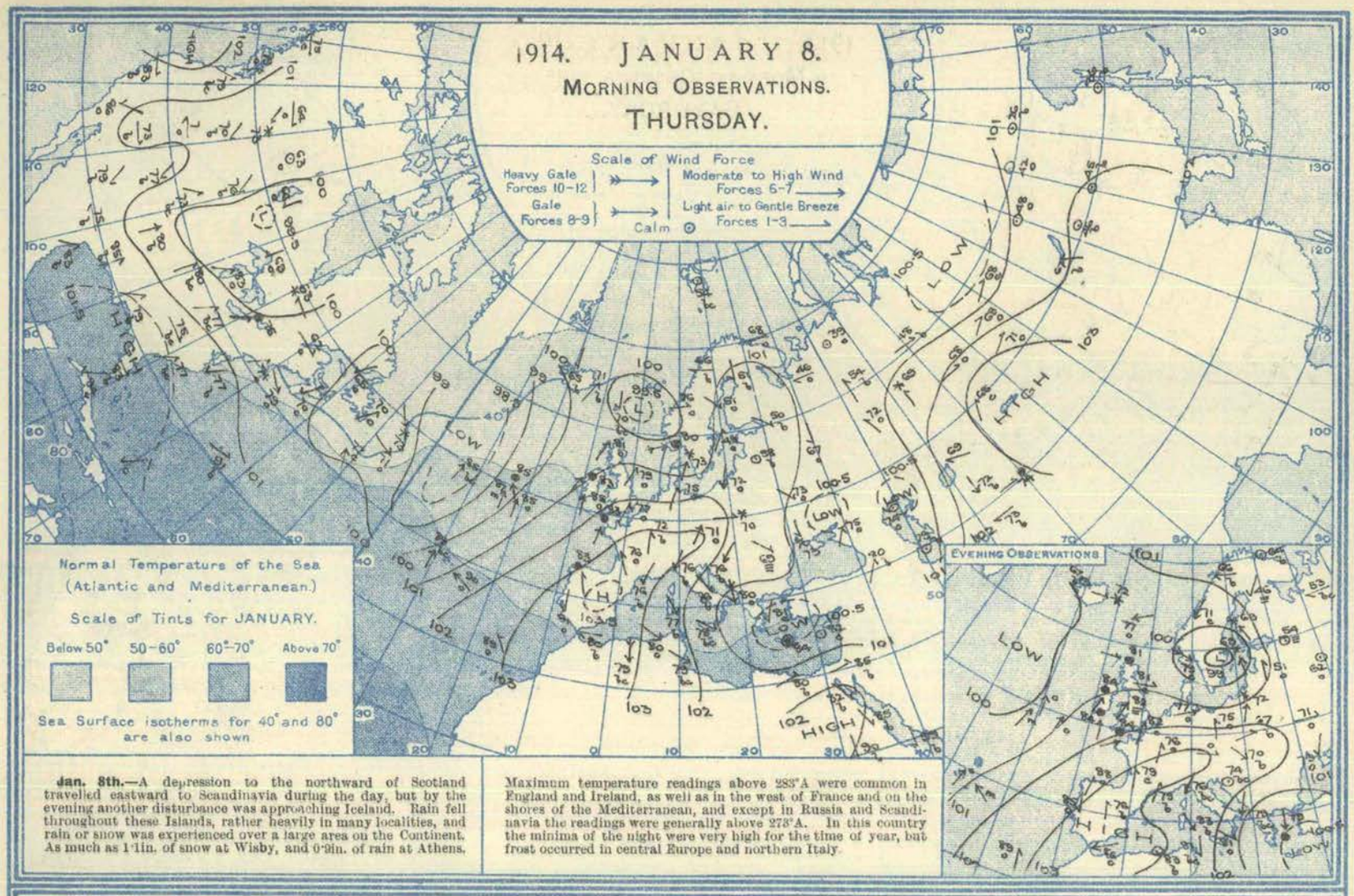

**Jan. 5th.**—A deep depression travelled eastward over southern Scandinavia during day, and strong winds or gales from the Westward were experienced in the Baltic region and several parts of these Islands. Precipitation—mostly rain—was general in the United Kingdom, France, and the central and northern countries, and also occurred locally on the shores of the Mediterranean; between 0·3in. and 0·9in. on the English Channel, and 0·5in. at Hamburg and Tunis. Temperature rose little above 273°A in some parts of Scotland, but to about 283°A at some stations in the south of England, as well as in Brittany. In the central regions of Europe the maxima were some degrees lower, and on the shores of the Mediterranean a little above 283°A. Frost occurred at night in Italy as far south as Rome.




**Jan. 6th.**—Pressure increased very briskly over the United Kingdom during day, and the isobars became more Northerly. Gales from the North-Westward continued on some exposed parts of western and northern coasts. Temperature failed to touch 277°A over a considerable area in these Islands, the east of France, central Europe, and the Netherlands, but exceeded 283°A at many stations in the far south of our area, and reached 289°A at Palermo. Wintry showers occurred in various parts of the United Kingdom and at most places over the northern half of the Continent, and some rain at a few Mediterranean and Adriatic stations.

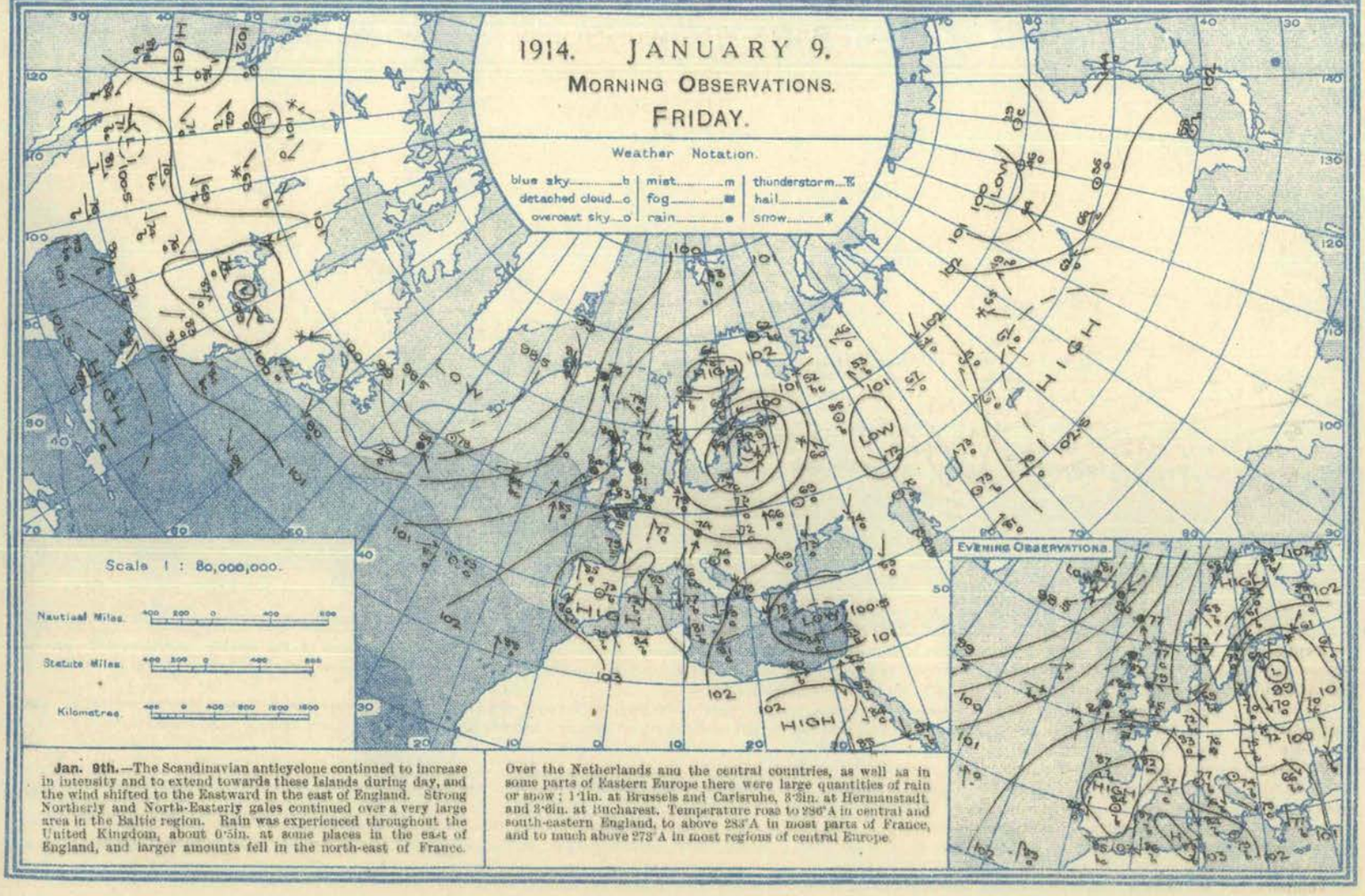



**Jan. 7th.**—A depression moved eastward from Iceland during the day, and the wind became Southerly or South-Westerly in the north of these Islands, and Westerly in the south. Rain fell in the west and north of the United Kingdom, moderate quantities generally, but 1·0in. at Lerwick. Rain, or snow, was also experienced over a wide area on the Continent and in Algeria. Temperature rose through the day and night over these Islands, where the maxima varied between 299°A at Spurn Head and 285°A on the south-west coast of Ireland. Frost continued all day in the north and east of Europe, and in the central countries and east of France the thermometer rose very little above 273°A.



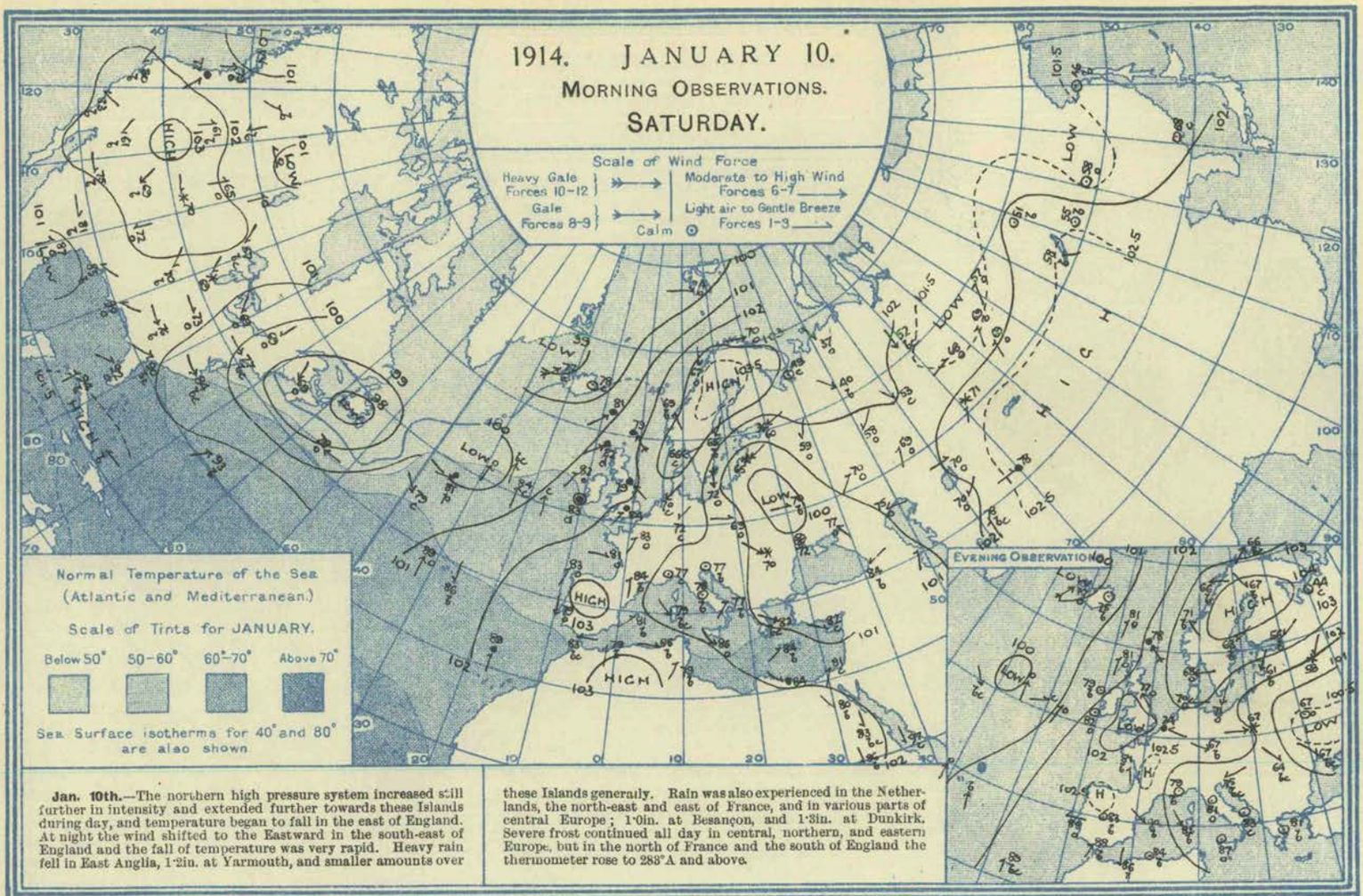

**Jan. 8th.**—A depression to the northward of Scotland travelled eastward to Scandinavia during the day, but by the evening another disturbance was approaching Iceland. Rain fell throughout these Islands, rather heavily in many localities, and rain or snow was experienced over a large area on the Continent. As much as 1·1in. of snow at Wisby, and 0·9in. of rain at Athens.

Maximum temperature readings above 283°A were common in England and Ireland, as well as in the west of France and on the shores of the Mediterranean, and except in Russia and Scandinavia the readings were generally above 273°A. In this country the minima of the night were very high for the time of year, but frost occurred in central Europe and northern Italy.



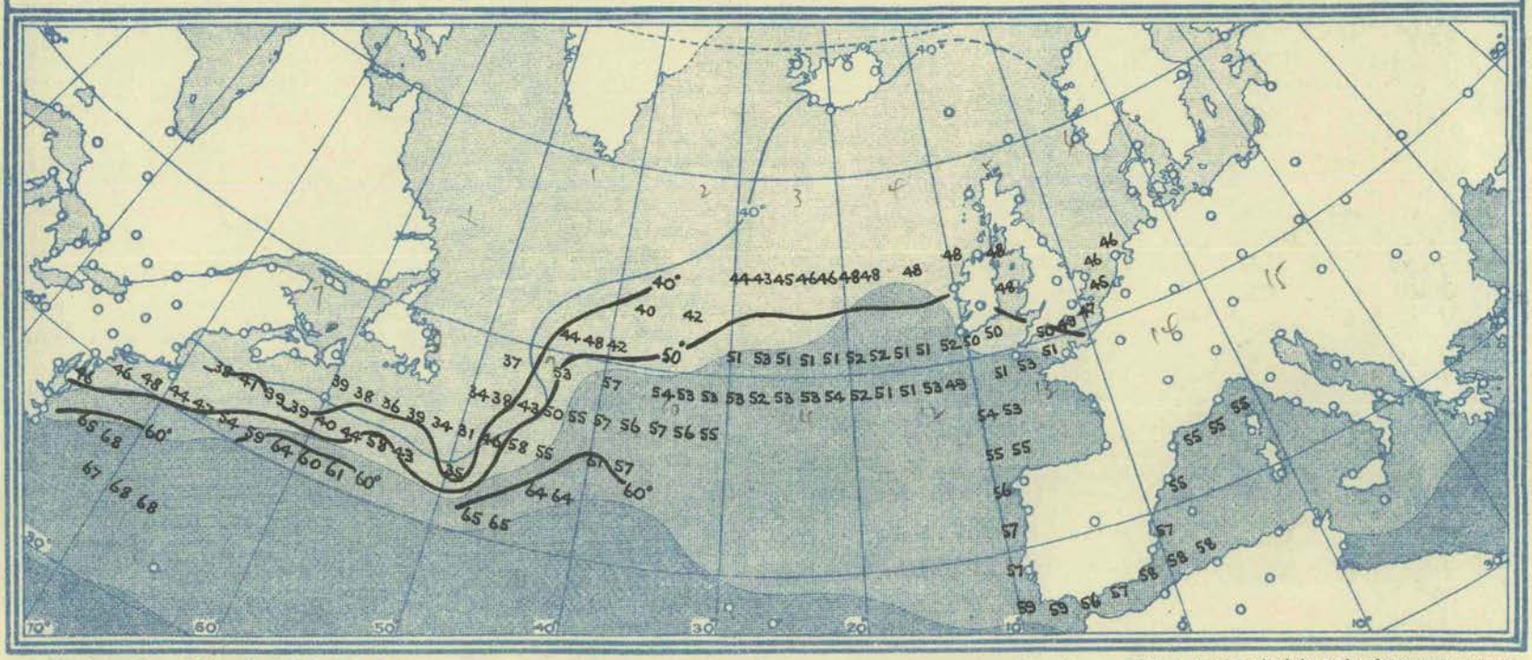

**Jan. 9th.**—The Scandinavian anticyclone continued to increase in intensity and to extend towards these Islands during day, and the wind shifted to the Eastward in the east of England. Strong Northerly and North-Easterly gales continued over a very large area in the Baltic region. Rain was experienced throughout the United Kingdom, about 0·5in. at some places in the east of England, and larger amounts fell in the north-east of France.

Over the Netherlands and the central countries, as well as in some parts of Eastern Europe there were large quantities of rain or snow; 1·1in. at Brussels and Carlsruhe, 3·3in. at Hermannstadt, and 3·6in. at Bucharest. Temperature rose to 286°A in central and south-eastern England, to above 283°A in most parts of France, and to much above 273°A in most regions of central Europe.




**Jan. 10th.**—The northern high pressure system increased still further in intensity and extended further towards these Islands during day, and temperature began to fall in the east of England. At night the wind shifted to the Eastward in the south-east of England and the fall of temperature was very rapid. Heavy rain fell in East Anglia, 1·2in. at Yarmouth, and smaller amounts over these Islands generally. Rain was also experienced in the Netherlands, the north-east and east of France, and in various parts of central Europe; 1·0in. at Besançon, and 1·3in. at Dunkirk. Severe frost continued all day in central, northern, and eastern Europe, but in the north of France and the south of England the thermometer rose to 288°A and above.

## *SURFACE TEMPERATURE of the SEA during the week ended Saturday, 10TH JANUARY, 1914.*



**Explanation of Charts.**—The height of the barometer is expressed by isobars, which are drawn for intervals of one centibar, the equivalent on the absolute scale of pressure units of 0·295 mercury inches. 1 centibar = 10 millibars. 100 centibars = 29·53 mercury inches = 750·0 mercury millimetres. The winds are shown by arrows which are drawn flying with the wind. Temperatures are given in degrees Absolute, freezing point = 273°, the initial 2 being omitted.

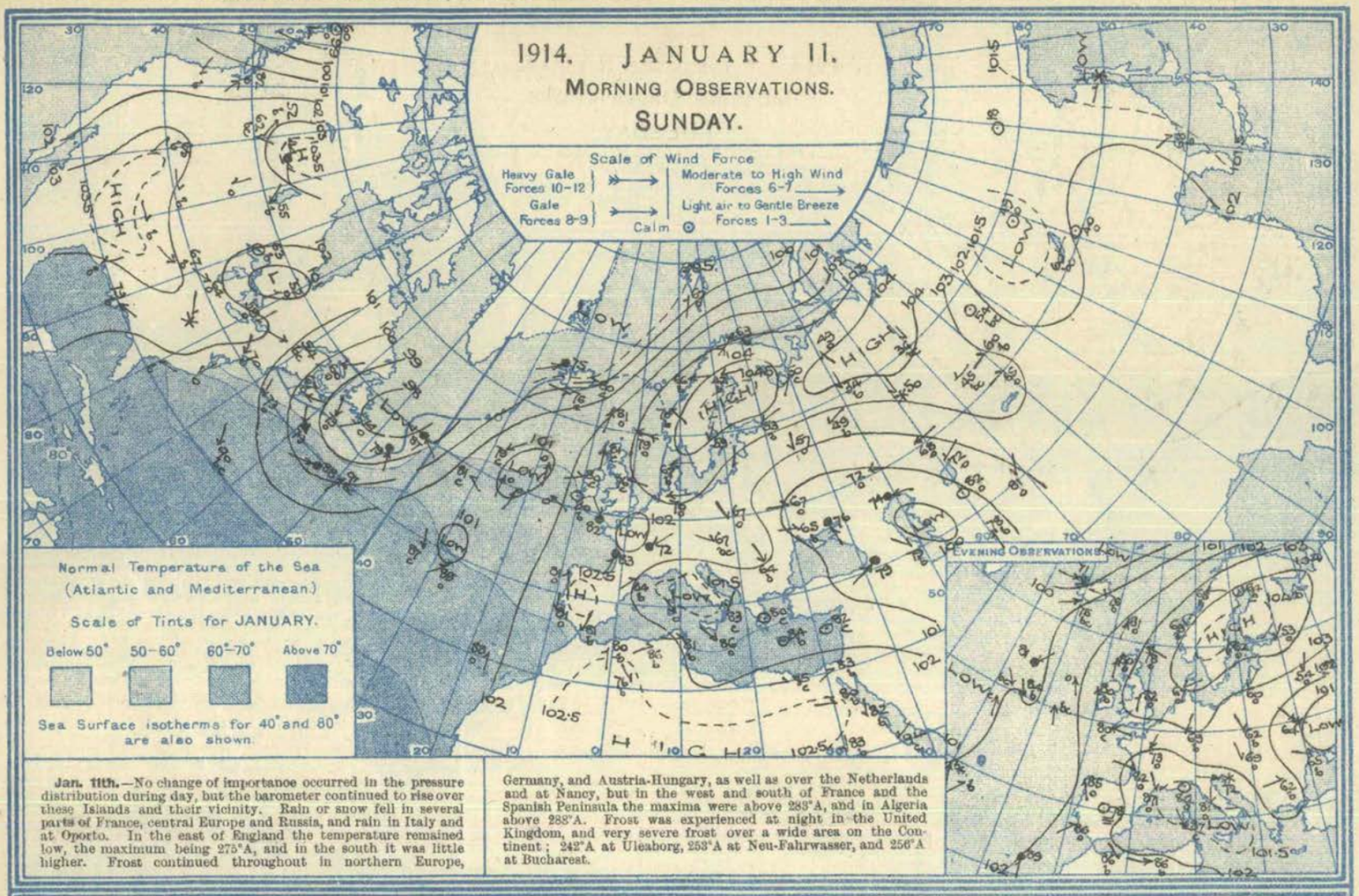
The charts are prepared from observations made at 7 a.m. in the British Islands, France, Italy, Belgium, Holland, Germany, Denmark, Norway, Sweden, Iceland, Spitzbergen, Madeira, and Algeria; at 6.30 a.m. in Switzerland; at 6 a.m. in Egypt; at 5.25 a.m. in Greece; at 8.37 a.m. in Portugal; and at 8 a.m. in Spain and in the Azores. These times refer to Greenwich Mean Time.

Observations in Austria-Hungary and the Russian Empire, including Siberia, are taken at 7 a.m. local time.

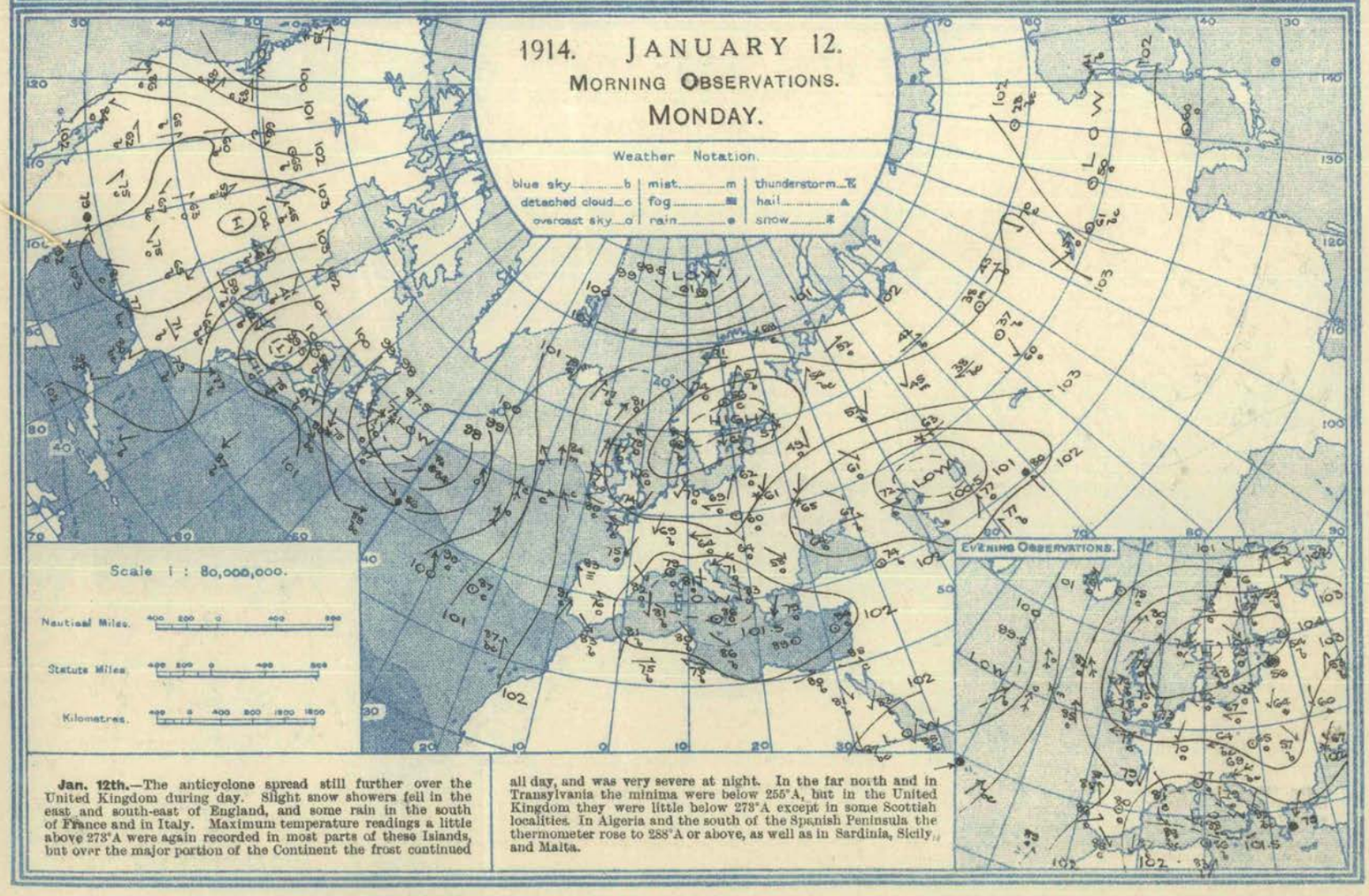
On the American Continent and at Bermuda the observations are taken at 8 a.m., mean time of Longitude 75° W., i.e., 1 p.m. G.M.T. "Wireless" observations from the Atlantic Ocean are taken at 7 a.m. G.M.T., others at 8 a.m. local time.

The evening charts are prepared from observations made at 6 p.m. in the British Islands, France, Germany, Holland, Denmark and Norway; at 4 p.m. in Spain; at 5 p.m. in Iceland; at 6.25 p.m. in Greece; at 8 p.m. in Belgium, Sweden, Switzerland, Italy; and at 9.37 p.m. in Portugal and 9 p.m. in the Azores. In Austria-Hungary and the Russian Empire (including Siberia) they are taken at 9 p.m. local time.

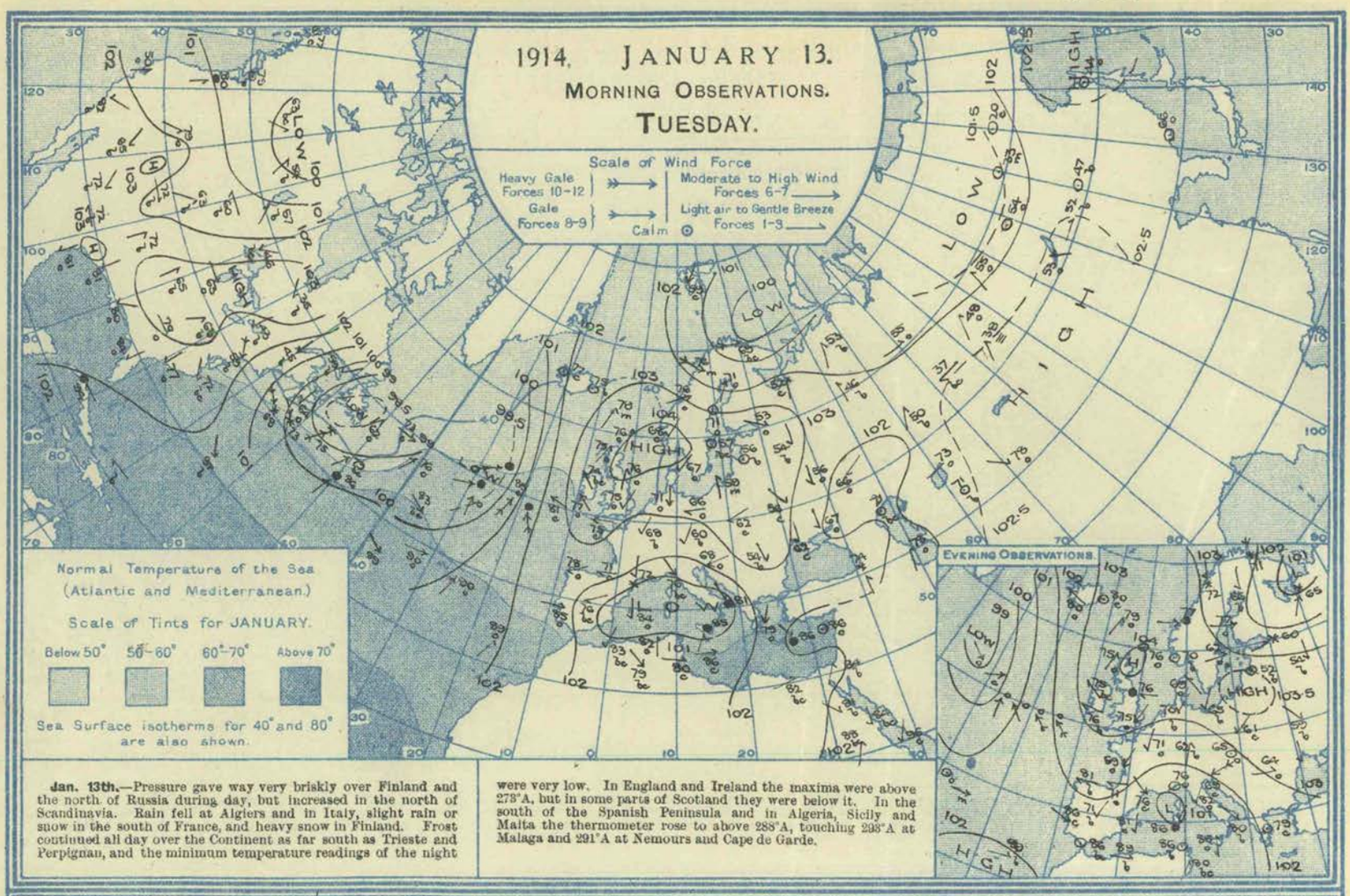
**Temperature of the Sea.**—The normal surface temperature of the sea for the month is indicated by the intensity of the blue shading and the scale shown in an inset. The isotherms for 40° and 80° F. are shown by blue lines. The temperatures, in degrees Fahrenheit, observed during the week to which the report refers are shown in black on the last chart. The values given are the means of all readings for the week received up to the date of going to press for each two-degree square.



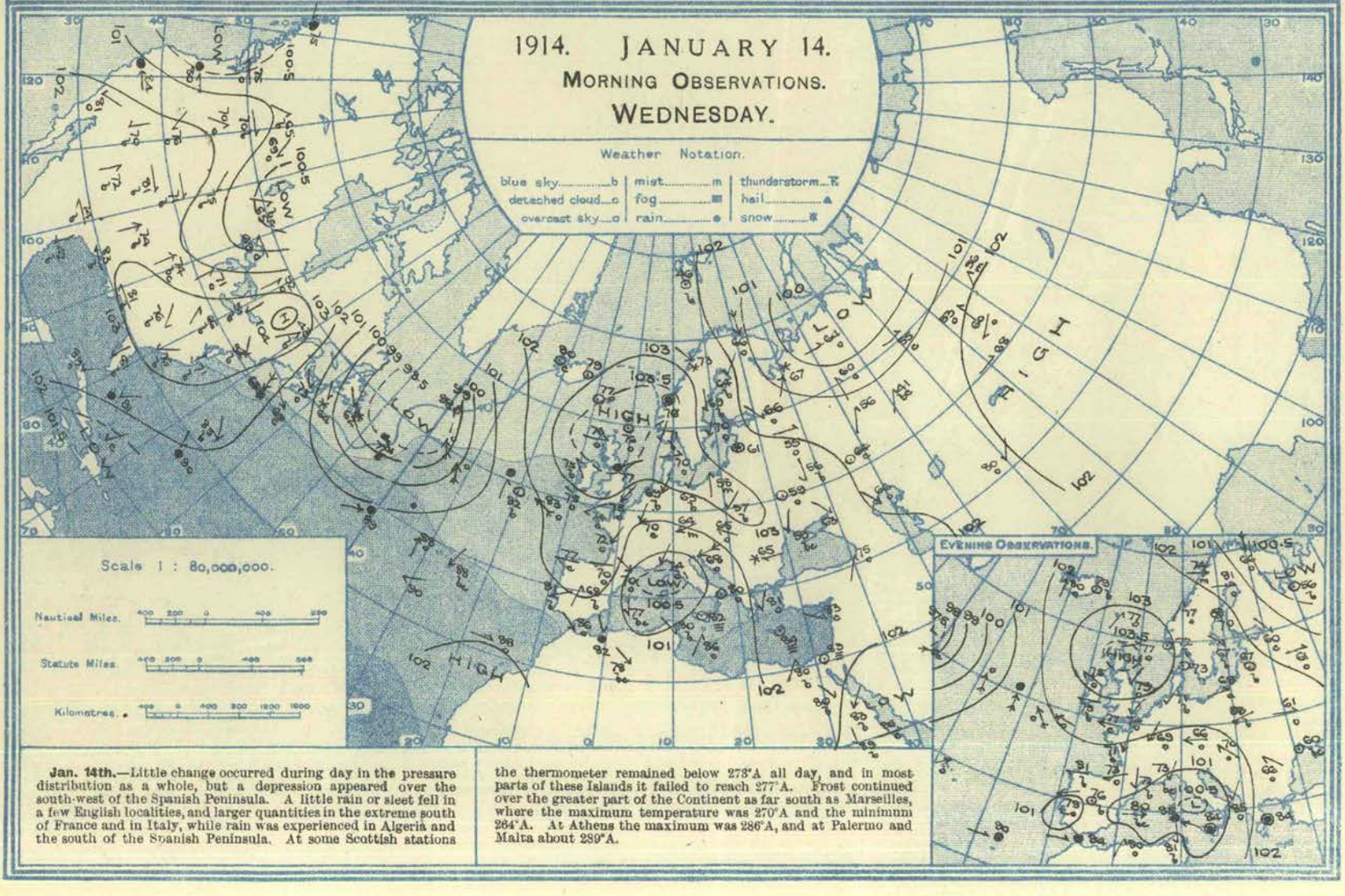

**Jan. 11th.**—No change of importance occurred in the pressure distribution during day, but the barometer continued to rise over these Islands and their vicinity. Rain or snow fell in several parts of France, central Europe and Russia, and rain in Italy and at Oporto. In the east of England the temperature remained low, the maximum being 275°A, and in the south it was little higher. Frost continued throughout in northern Europe, Germany, and Austria-Hungary, as well as over the Netherlands and at Nancy, but in the west and south of France and the Spanish Peninsula the maxima were above 283°A, and in Algeria above 288°A. Frost was experienced at night in the United Kingdom, and very severe frost over a wide area on the Continent; 242°A at Ulealborg, 253°A at Neu-Fahrwasser, and 256°A at Bucharest.



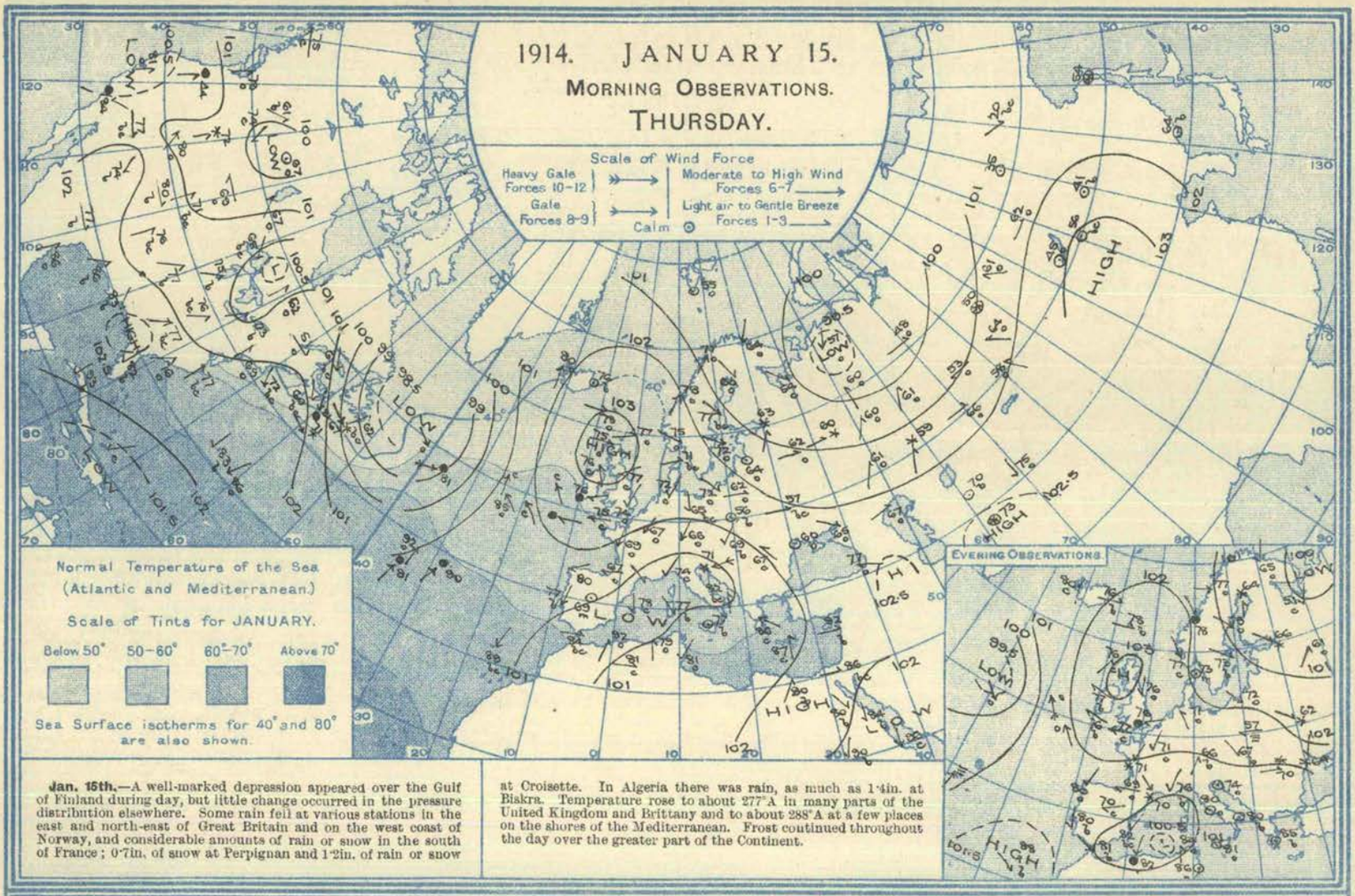

**Jan. 12th.**—The anticyclone spread still further over the United Kingdom during day. Slight snow showers fell in the east and south-east of England, and some rain in the south of France and in Italy. Maximum temperature readings a little above 273°A were again recorded in most parts of these Islands, but over the major portion of the Continent the frost continued all day, and was very severe at night. In the far north and in Transylvania the minima were below 255°A, but in the United Kingdom they were little below 273°A except in some Scottish localities. In Algeria and the south of the Spanish Peninsula the thermometer rose to 288°A or above, as well as in Sardinia, Sicily, and Malta.



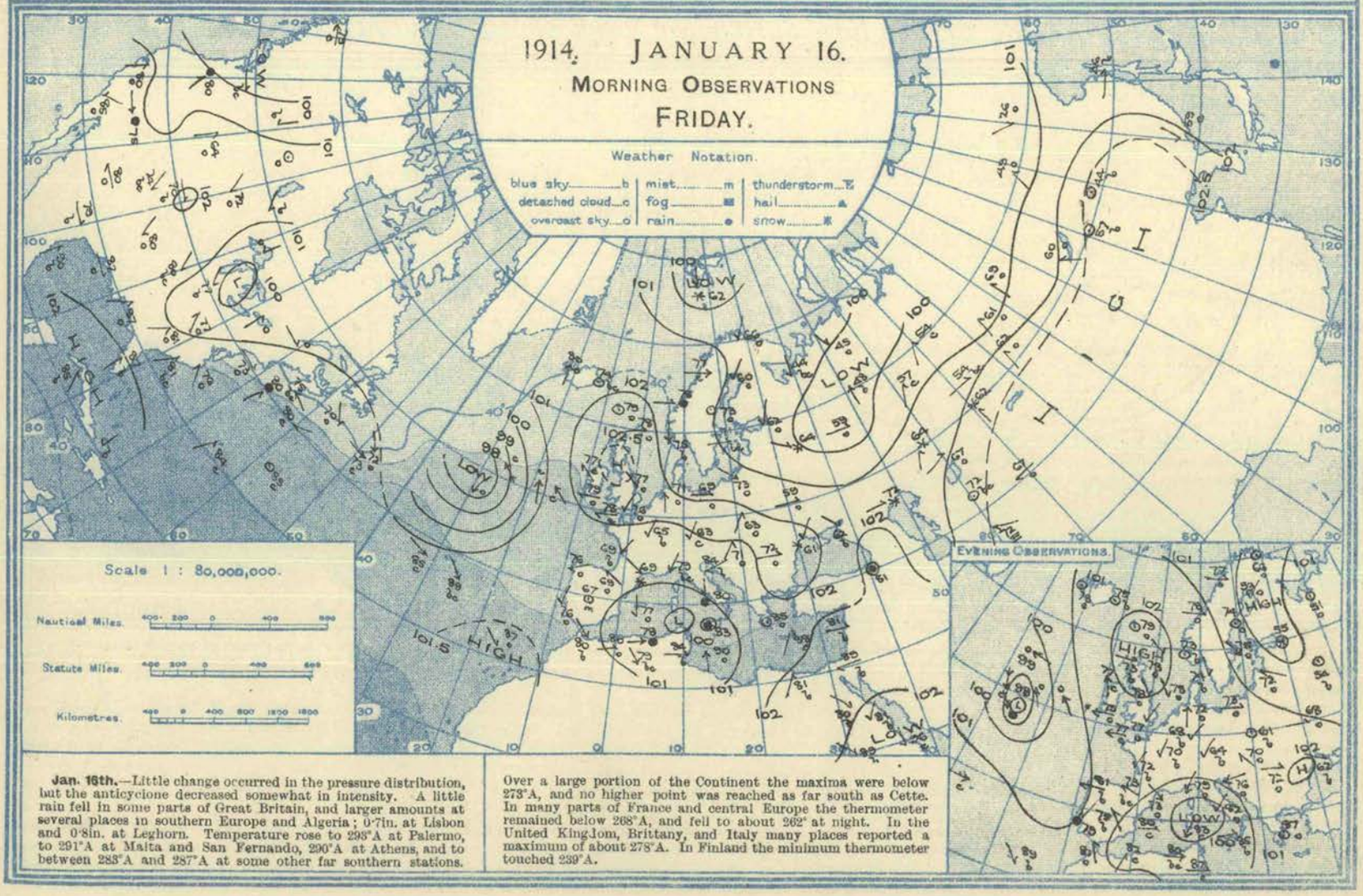

**Jan. 13th.**—Pressure gave way very briskly over Finland and the north of Russia during day, but increased in the north of Scandinavia. Rain fell at Algiers and in Italy, slight rain or snow in the south of France, and heavy snow in Finland. Frost continued all day over the Continent as far south as Trieste and Perpignan, and the minimum temperature readings of the night were very low. In England and Ireland the maxima were above 278°A, but in some parts of Scotland they were below it. In the south of the Spanish Peninsula and in Algeria, Sicily and Malta the thermometer rose to above 288°A, touching 298°A at Malaga and 291°A at Nemours and Cape de Garde.



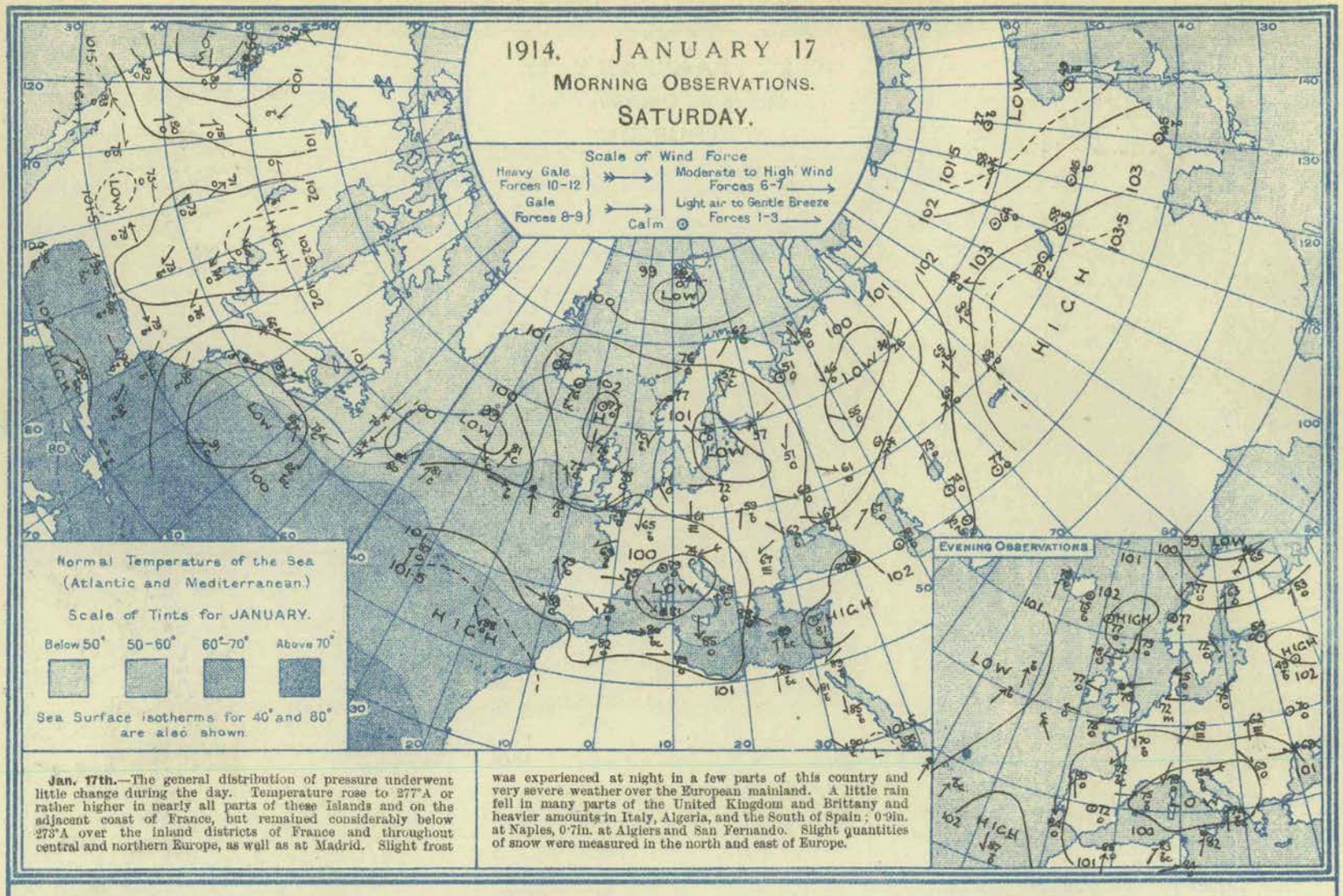

**Jan. 14th.**—Little change occurred during day in the pressure distribution as a whole, but a depression appeared over the south-west of the Spanish Peninsula. A little rain or sleet fell in a few English localities, and larger quantities in the extreme south of France and in Italy, while rain was experienced in Algeria and the south of the Spanish Peninsula. At some Scottish stations the thermometer remained below 273°A all day, and in most parts of these Islands it failed to reach 277°A. Frost continued over the greater part of the Continent as far south as Marseilles, where the maximum temperature was 270°A and the minimum 264°A. At Athens the maximum was 286°A, and at Palermo and Malta about 289°A.




**Jan. 15th.**—A well-marked depression appeared over the Gulf of Finland during day, but little change occurred in the pressure distribution elsewhere. Some rain fell at various stations in the east and north-east of Great Britain and on the west coast of Norway, and considerable amounts of rain or snow in the south of France; 0·7in. of snow at Perpignan and 1·2in. of rain or snow at Croisette. In Algeria there was rain, as much as 1·4in. at Biskra. Temperature rose to about 277°A in many parts of the United Kingdom and Brittany and to about 288°A at a few places on the shores of the Mediterranean. Frost continued throughout the day over the greater part of the Continent.

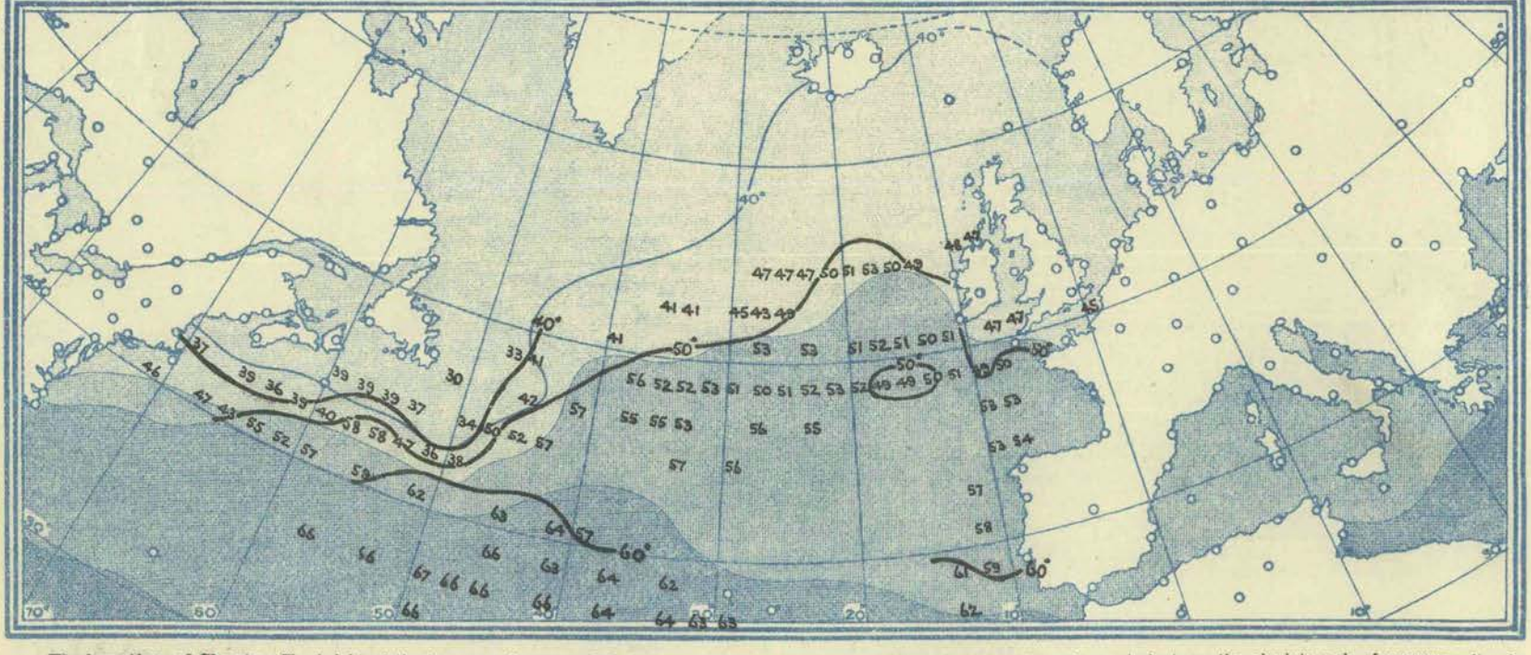



**Jan. 16th.**—Little change occurred in the pressure distribution, but the anticyclone decreased somewhat in intensity. A little rain fell in some parts of Great Britain, and larger amounts at several places in southern Europe and Algeria; 0·7in. at Lisbon and 0·8in. at Leghorn. Temperature rose to 293°A at Palermo, to 291°A at Malta and San Fernando, 290°A at Athens, and to between 283°A and 287°A at some other far southern stations. Over a large portion of the Continent the maxima were below 273°A, and no higher point was reached as far south as Cette. In many parts of France and central Europe the thermometer remained below 268°A, and fell to about 262° at night. In the United Kingdom, Brittany, and Italy many places reported a maximum of about 278°A. In Finland the minimum thermometer touched 239°A.




**Jan. 17th.**—The general distribution of pressure underwent little change during the day. Temperature rose to 277°A or rather higher in nearly all parts of these Islands and on the adjacent coast of France, but remained considerably below 273°A over the inland districts of France and throughout central and northern Europe, as well as at Madrid. Slight frost was experienced at night in a few parts of this country and very severe weather over the European mainland. A little rain fell in many parts of the United Kingdom and Brittany and heavier amounts in Italy, Algeria, and the South of Spain; 0·9in. at Naples, 0·7in. at Algiers and San Fernando. Slight quantities of snow were measured in the north and east of Europe.

## *SURFACE TEMPERATURE of the SEA during the week ended Saturday, 17TH JANUARY, 1914.*



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The charts are prepared from observations made at 7 a.m. in the British Islands, France, Italy, Belgium, Holland, Germany, Denmark, Norway, Sweden, Iceland, Spitzbergen, Madeira, and Algeria; at 6.30 a.m. in Switzerland; at 6 a.m. in Egypt; at 5.25 a.m. in Greece; at 8.37 a.m. in Portugal; and at 8 a.m. in Spain and in the Azores. These times refer to Greenwich Mean Time.

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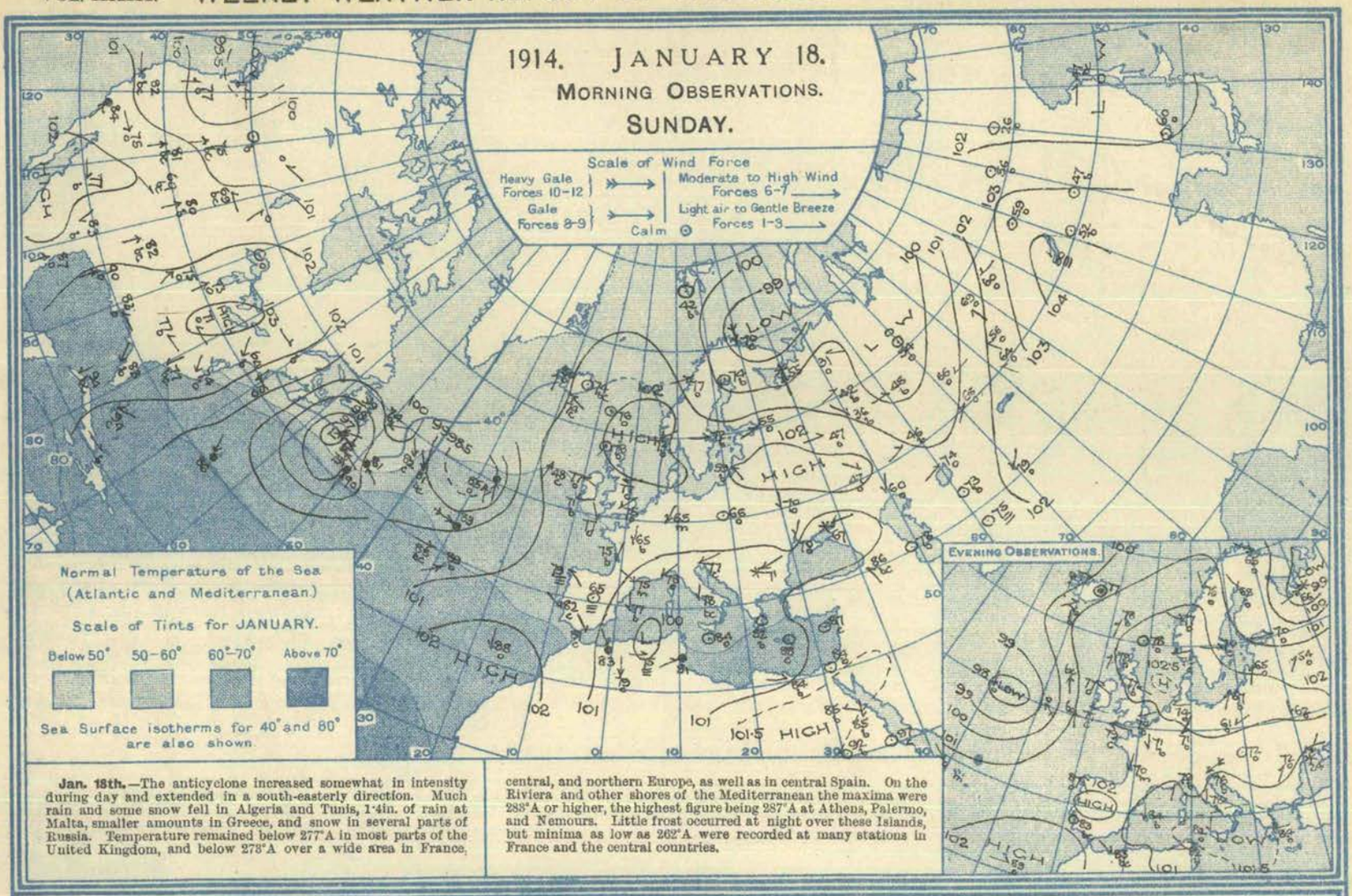
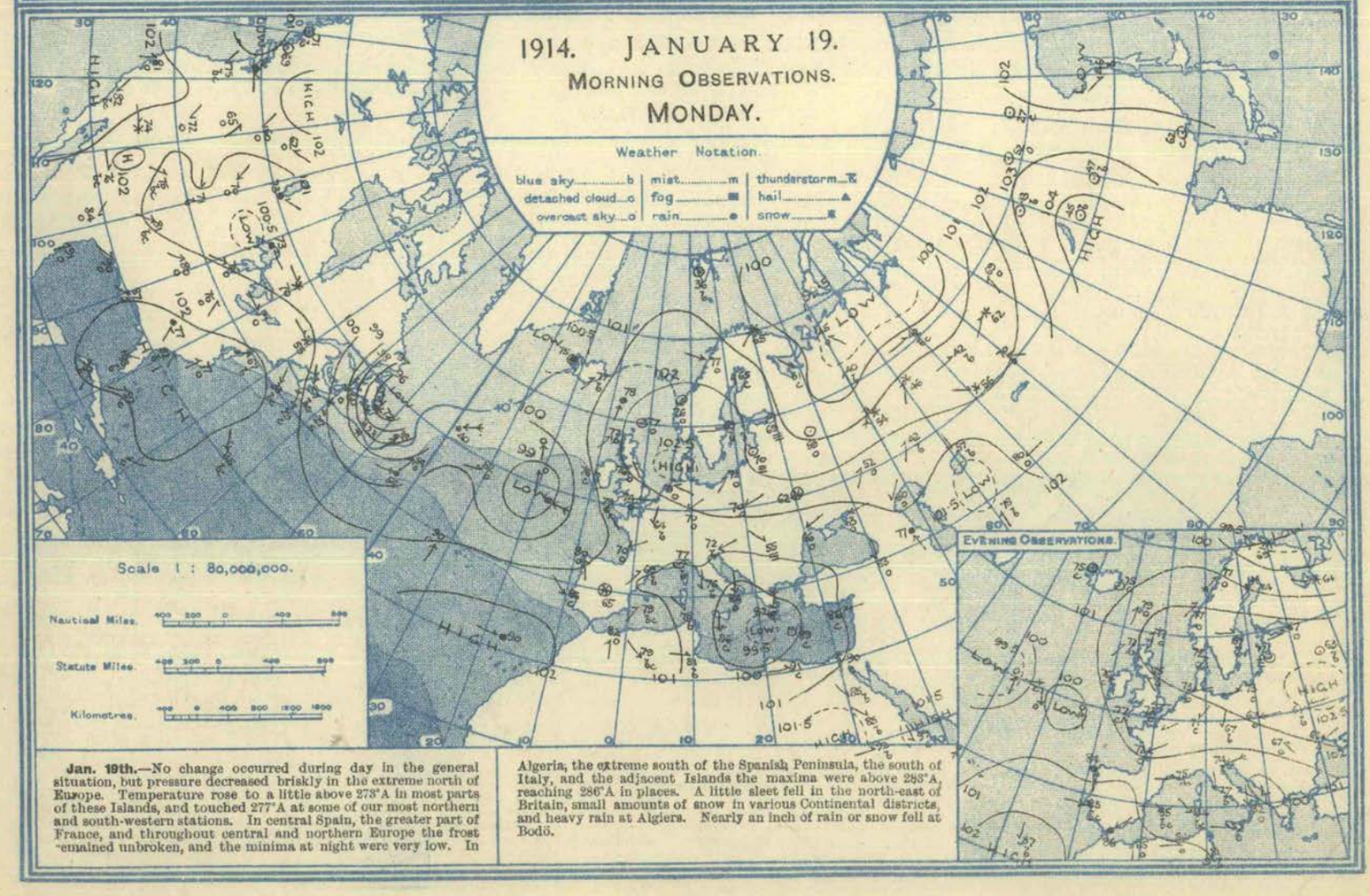
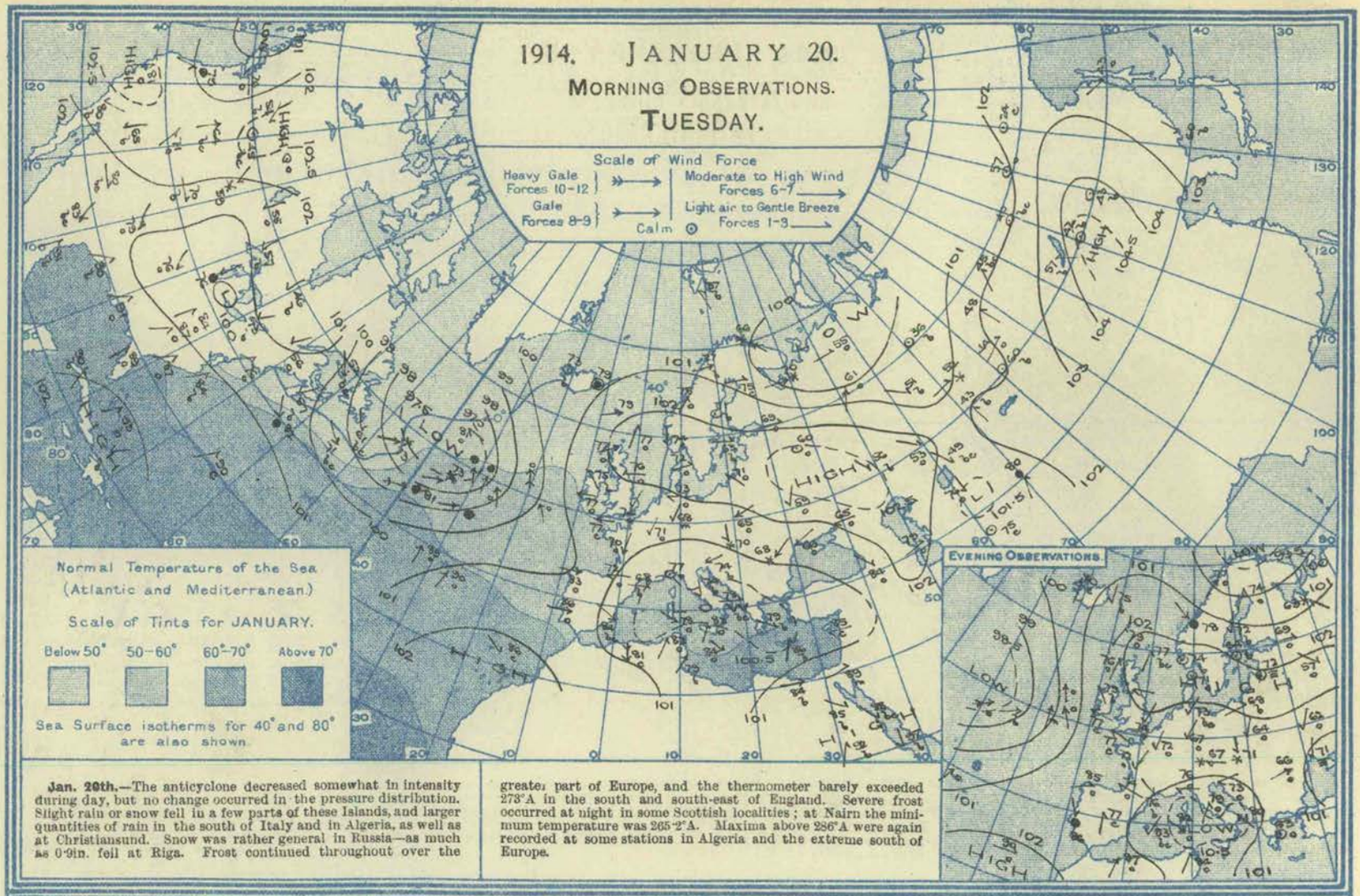


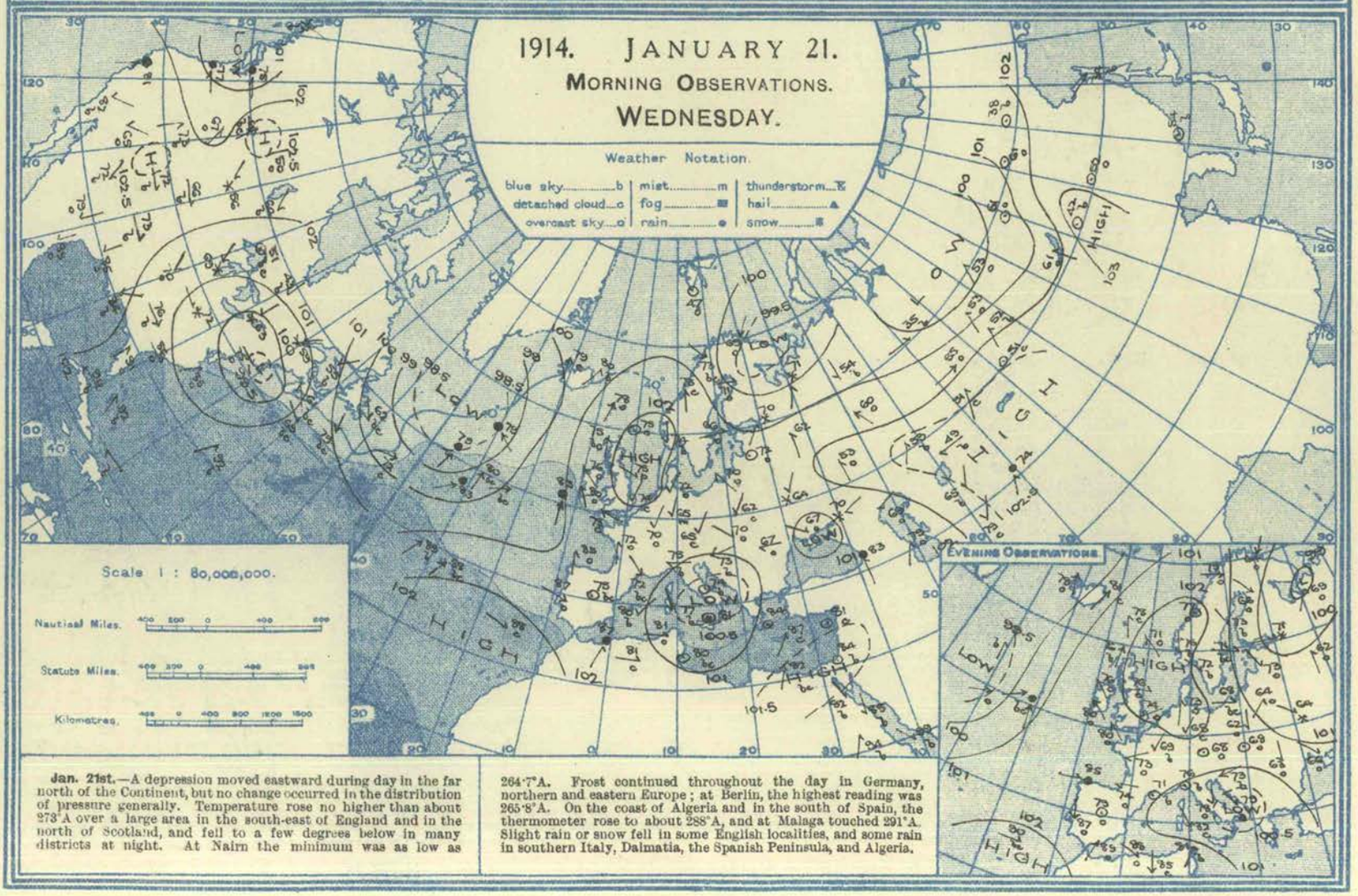

**Jan. 18th.**—The anticyclone increased somewhat in intensity during day and extended in a south-easterly direction. Much rain and some snow fell in Algeria and Tunis, 1·4in. of rain at Malta, smaller amounts in Greece, and snow in several parts of Russia. Temperature remained below 277°A in most parts of the United Kingdom, and below 278°A over a wide area in France, central, and northern Europe, as well as in central Spain. On the Riviera and other shores of the Mediterranean the maxima were 288°A or higher, the highest figure being 287°A at Athens, Palermo, and Nemours. Little frost occurred at night over these Islands, but minima as low as 262°A were recorded at many stations in France and the central countries.



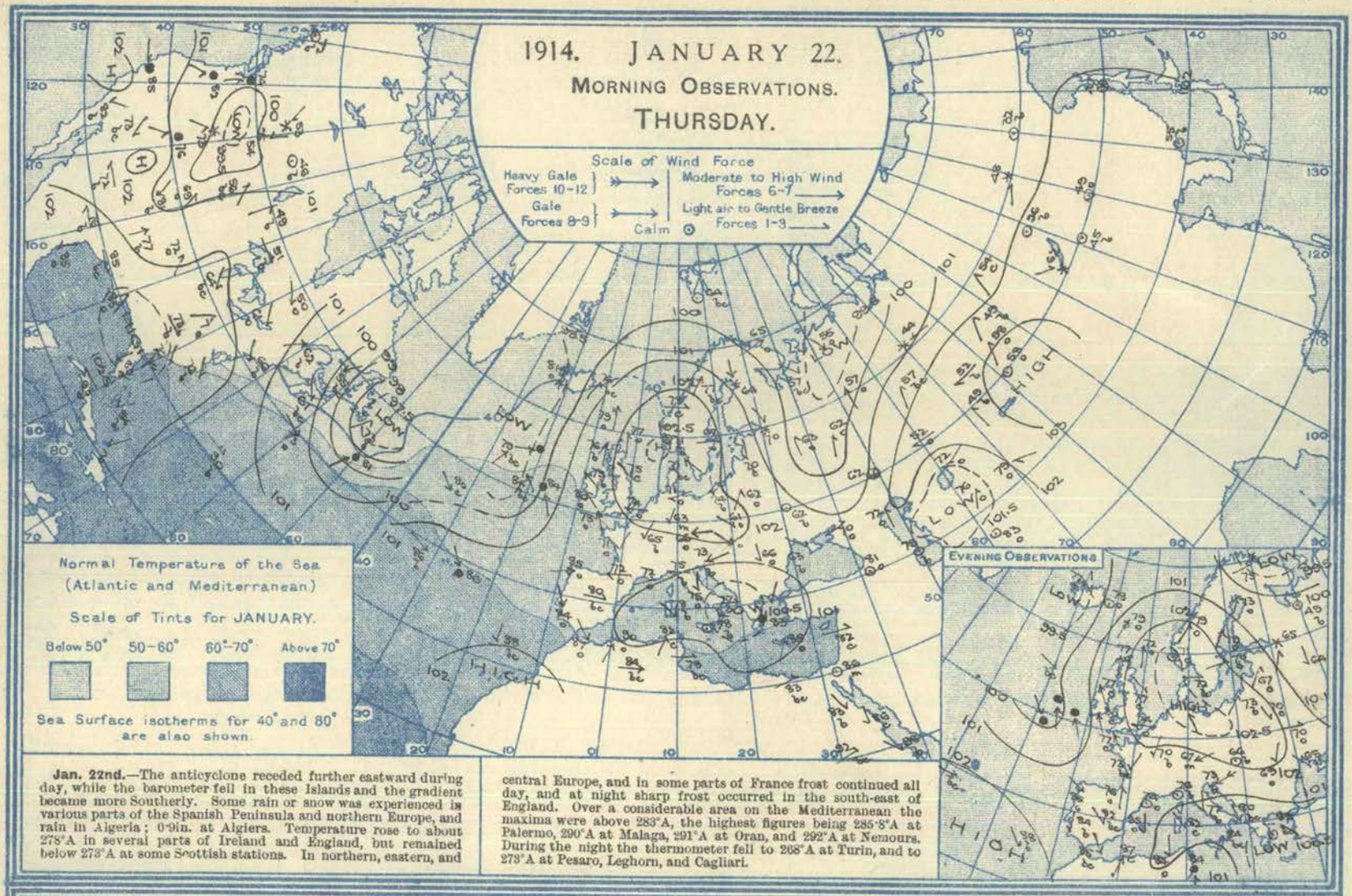

**Jan. 19th.**—No change occurred during day in the general situation, but pressure decreased briskly in the extreme north of Europe. Temperature rose to a little above 273°A in most parts of these Islands, and touched 277°A at some of our most northern and south-western stations. In central Spain, the greater part of France, and throughout central and northern Europe the frost remained unbroken, and the minima at night were very low. In Algeria, the extreme south of the Spanish Peninsula, the south of Italy, and the adjacent Islands the maxima were above 288°A, reaching 286°A in places. A little sleet fell in the north-east of Britain, small amounts of snow in various Continental districts, and heavy rain at Algiers. Nearly an inch of rain or snow fell at Bodö.



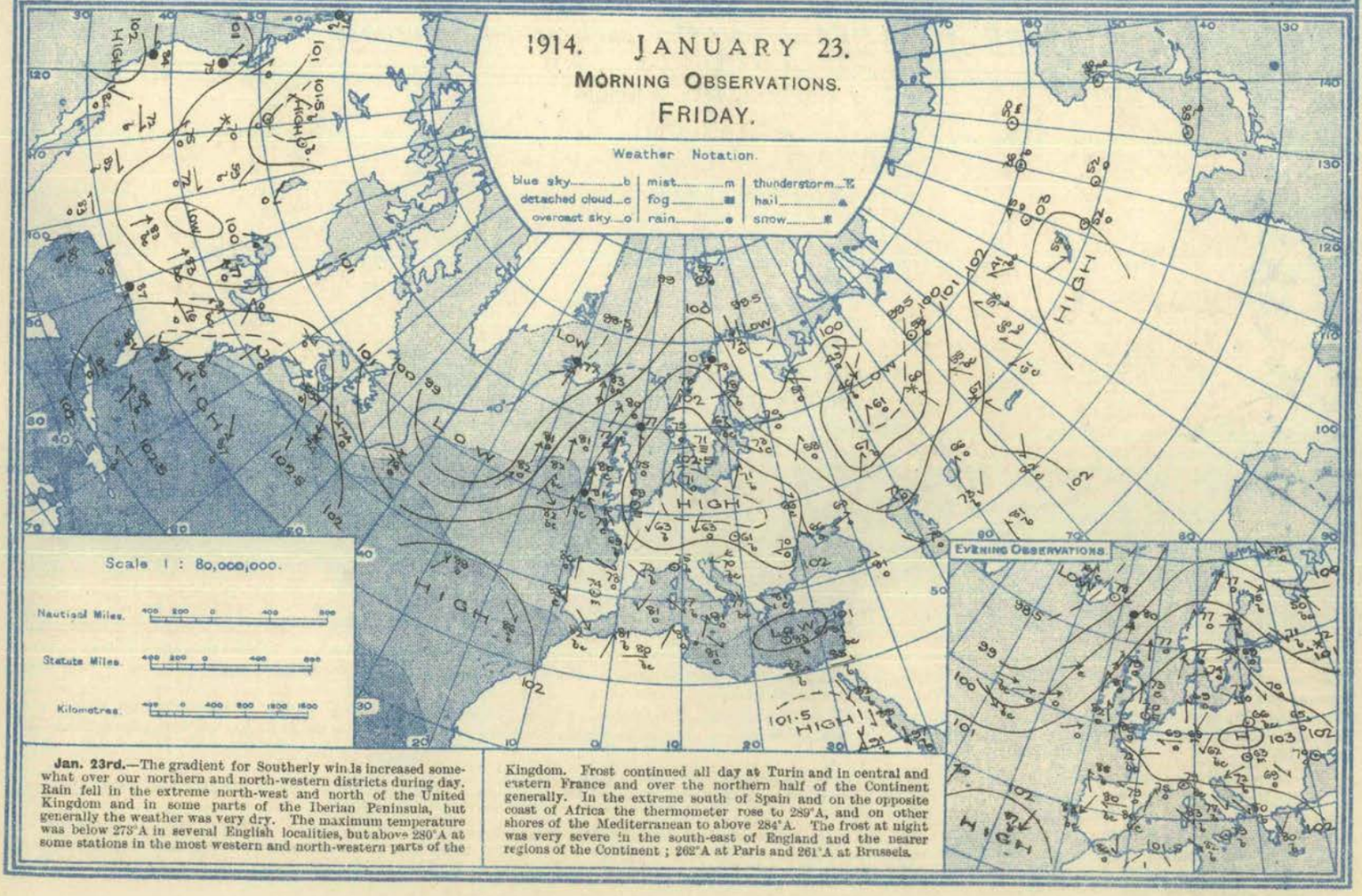

**Jan. 20th.**—The anticyclone decreased somewhat in intensity during day, but no change occurred in the pressure distribution. Slight rain or snow fell in a few parts of these Islands, and larger quantities of rain in the south of Italy and in Algeria, as well as at Christiansund. Snow was rather general in Russia—as much as 0·9in. fell at Riga. Frost continued throughout over the greater part of Europe, and the thermometer barely exceeded 273°A in the south and south-east of England. Severe frost occurred at night in some Scottish localities; at Nairn the minimum temperature was 265·2°A. Maxima above 286°A were again recorded at some stations in Algeria and the extreme south of Europe.



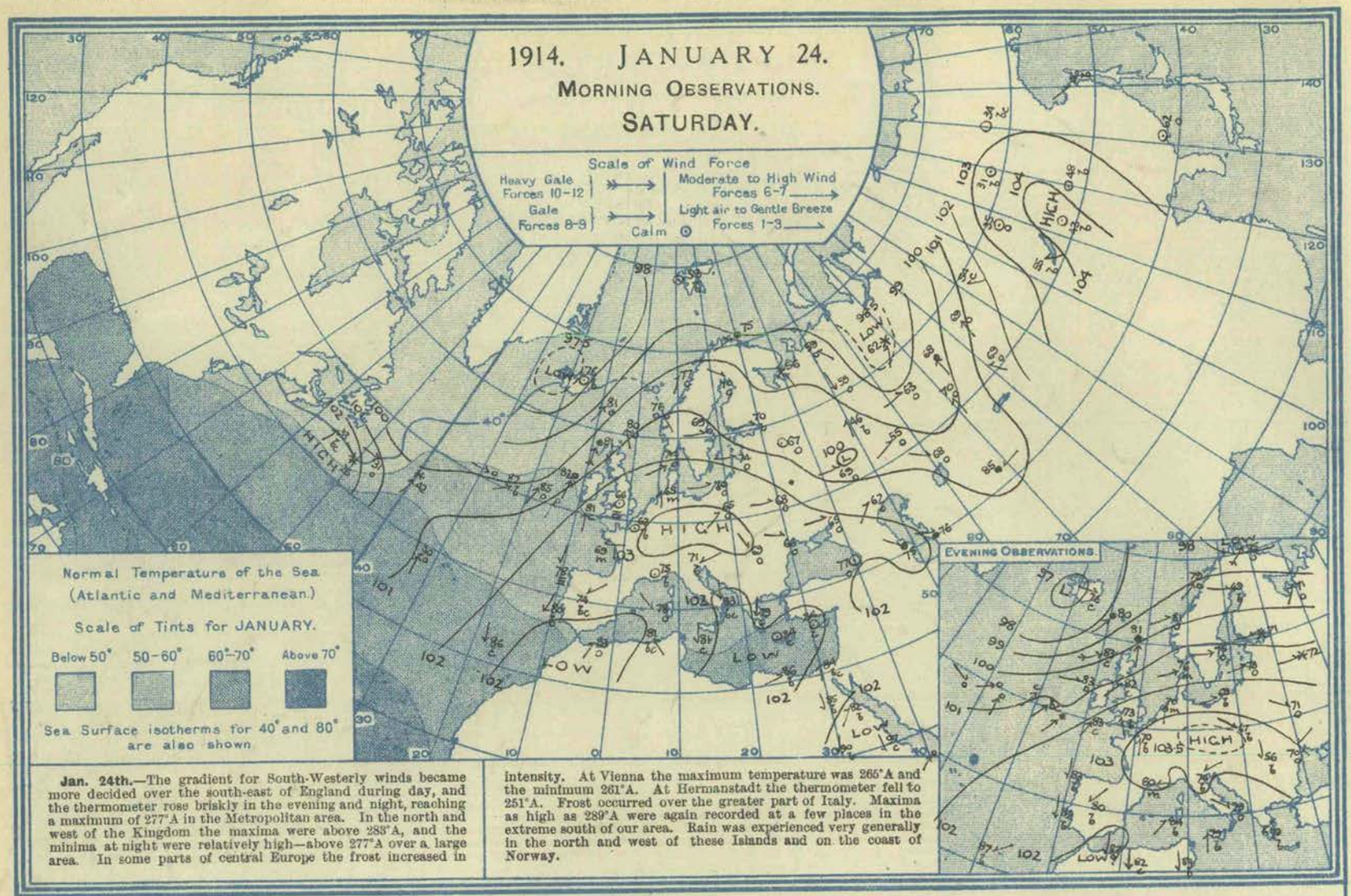

**Jan. 21st.**—A depression moved eastward during day in the far north of the Continent, but no change occurred in the distribution of pressure generally. Temperature rose no higher than about 273°A over a large area in the south-east of England and in the north of Scotland, and fell to a few degrees below in many districts at night. At Nairn the minimum was as low as 264·7°A. Frost continued throughout the day in Germany, northern and eastern Europe; at Berlin, the highest reading was 265·8°A. On the coast of Algeria and in the south of Spain, the thermometer rose to about 288°A, and at Malaga touched 291°A. Slight rain or snow fell in some English localities, and some rain in southern Italy, Dalmatia, the Spanish Peninsula, and Algeria.




**Jan. 22nd.**—The anticyclone receded further eastward during day, while the barometer fell in these Islands and the gradient became more Southerly. Some rain or snow was experienced in various parts of the Spanish Peninsula and northern Europe, and rain in Algeria; 0·9in. at Algiers. Temperature rose to about 278°A in several parts of Ireland and England, but remained below 273°A at some Scottish stations. In northern, eastern, and central Europe, and in some parts of France frost continued all day, and at night sharp frost occurred in the south-east of England. Over a considerable area on the Mediterranean the maxima were above 283°A, the highest figures being 285·8°A at Palermo, 290°A at Malaga, 291°A at Oran, and 292°A at Nemours. During the night the thermometer fell to 268°A at Turin, and to 273°A at Pesaro, Leghorn, and Cagliari.

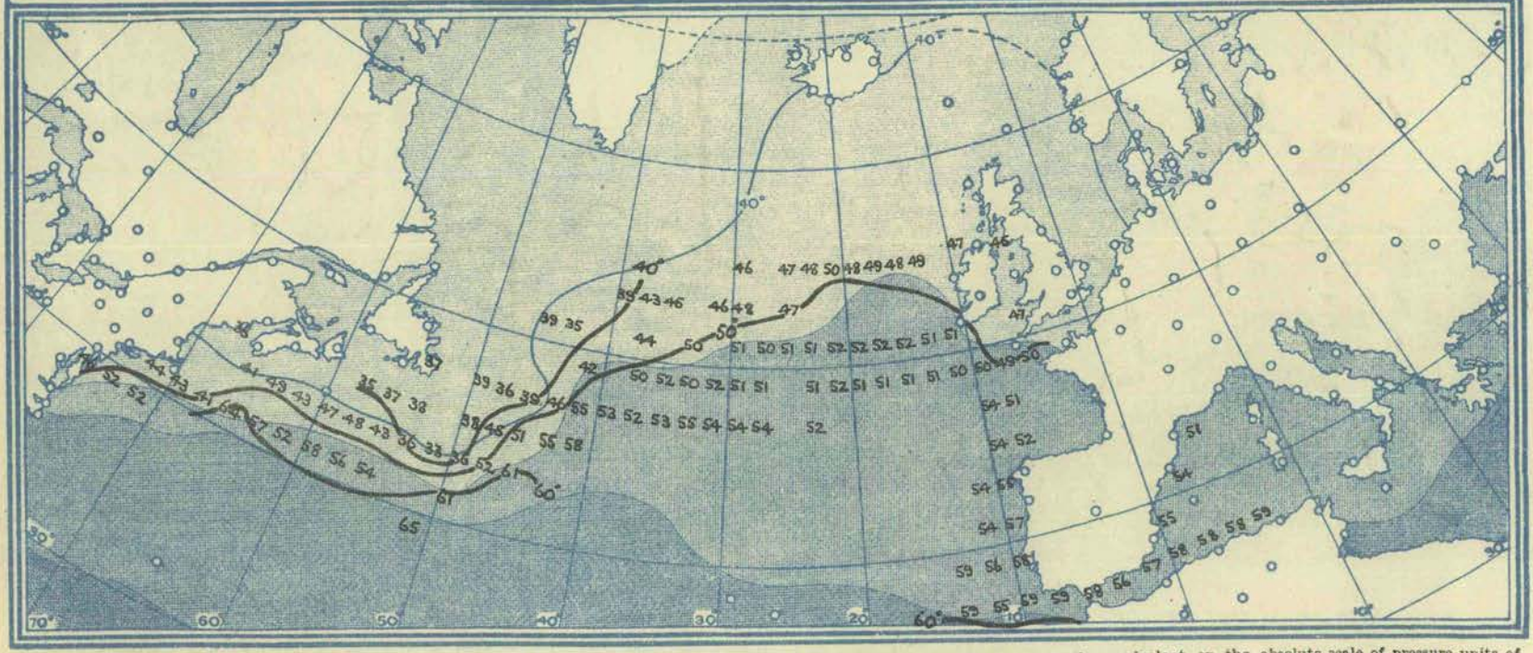



**Jan. 23rd.**—The gradient for Southerly winds increased somewhat over our northern and north-western districts during day. Rain fell in the extreme north-west and north of the United Kingdom and in some parts of the Iberian Peninsula, but generally the weather was very dry. The maximum temperature was below 273°A in several English localities, but above 280°A at some stations in the most western and north-western parts of the Kingdom. Frost continued all day at Turin and in central and eastern France and over the northern half of the Continent generally. In the extreme south of Spain and on the opposite coast of Africa the thermometer rose to 289°A, and on other shores of the Mediterranean to above 284°A. The frost at night was very severe in the south-east of England and the nearer regions of the Continent; 262°A at Paris and 261°A at Brussels.




**Jan. 24th.**—The gradient for South-Westerly winds became more decided over the south-east of England during day, and the thermometer rose briskly in the evening and night, reaching a maximum of 277°A in the Metropolitan area. In the north and west of the Kingdom the maxima were above 283°A, and the minima at night were relatively high—above 277°A over a large area. In some parts of central Europe the frost increased in intensity. At Vienna the maximum temperature was 265°A and the minimum 261°A. At Hermanstadt the thermometer fell to 251°A. Frost occurred over the greater part of Italy. Maxima as high as 289°A were again recorded at a few places in the extreme south of our area. Rain was experienced very generally in the north and west of these Islands and on the coast of Norway.

## *SURFACE TEMPERATURE of the SEA during the week ended Saturday, 24TH. JANUARY, 1914.*



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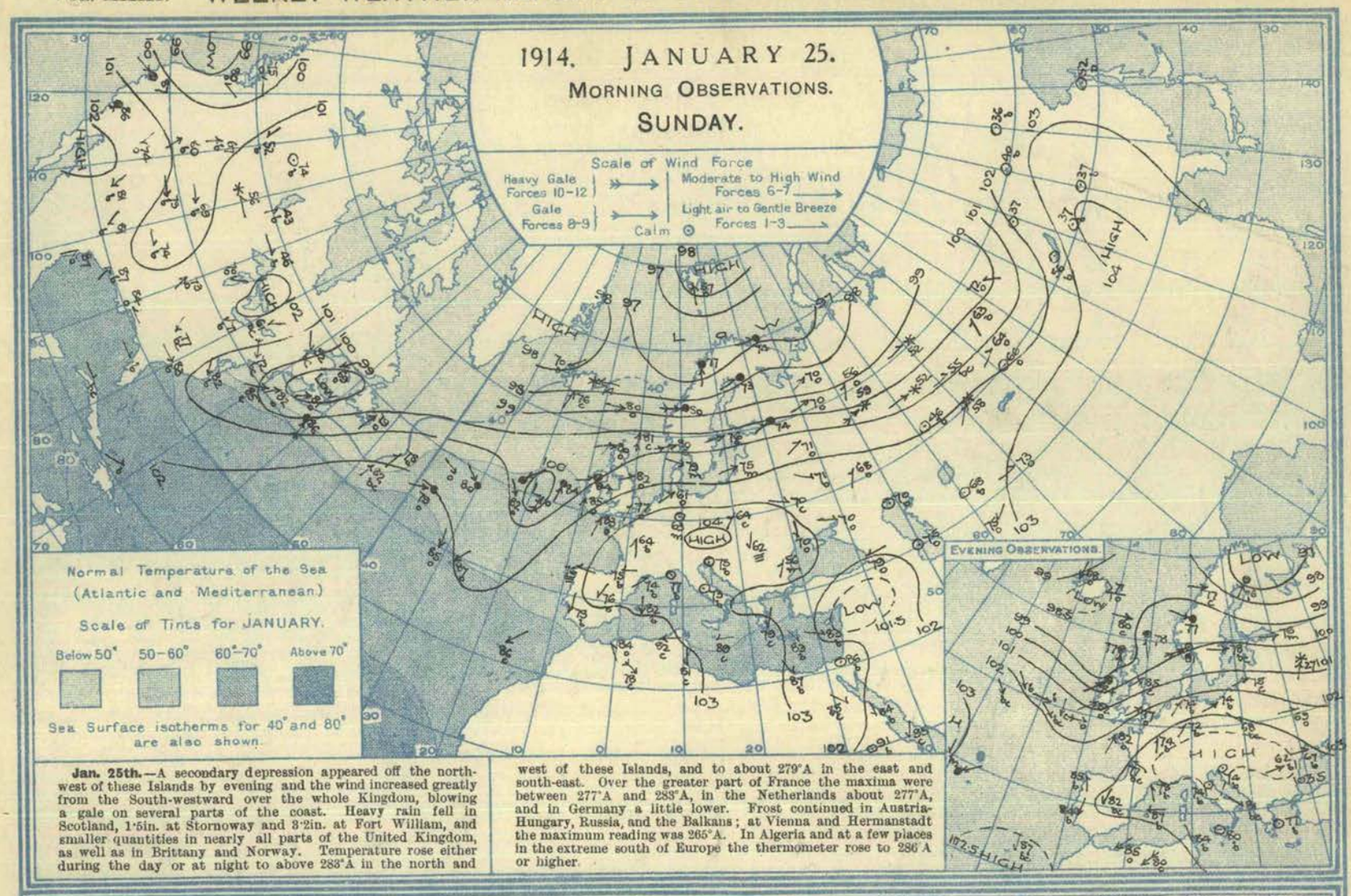
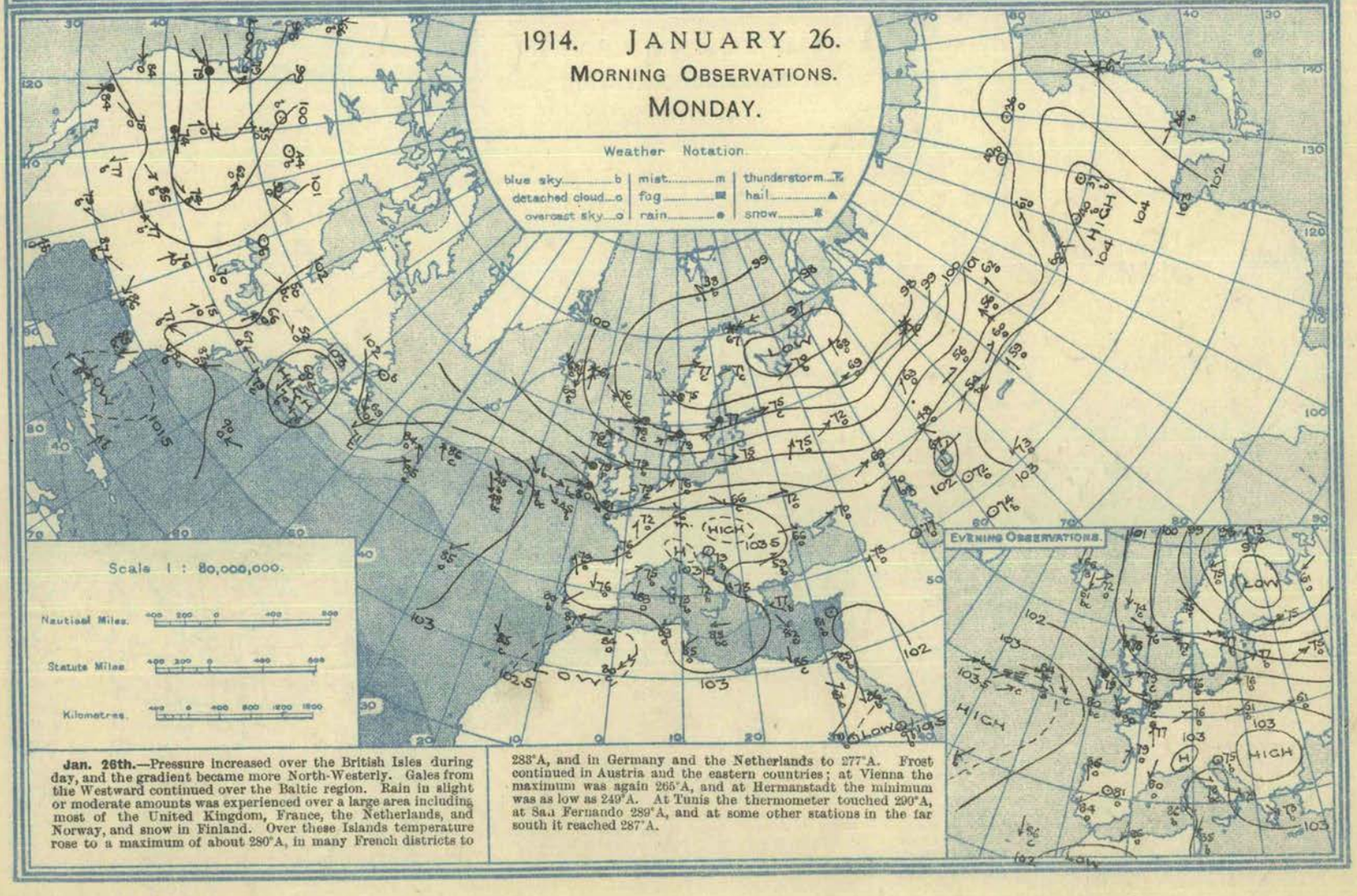
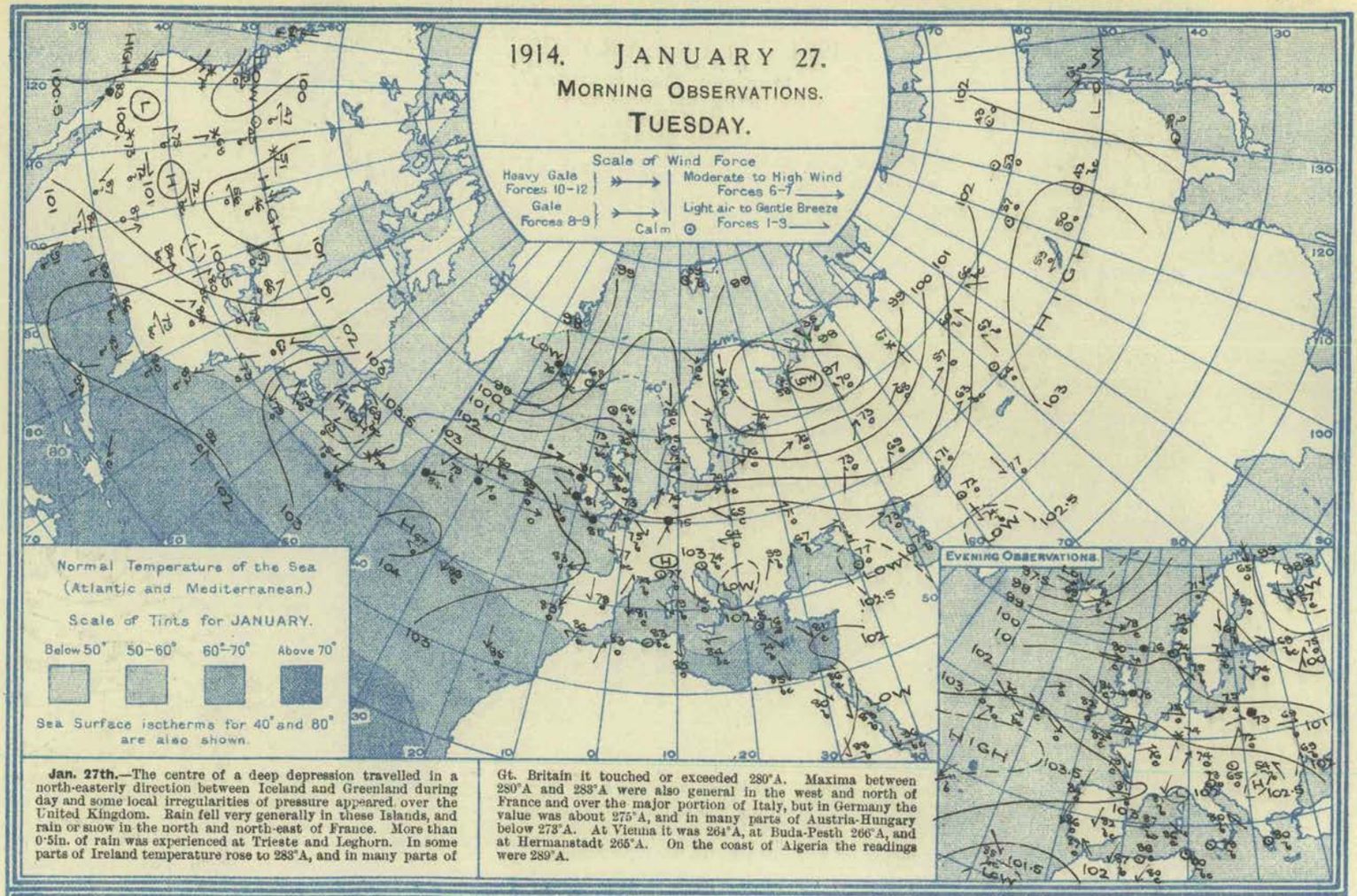
**Temperature of the Sea.**—The normal surface temperature of the sea for the month is indicated by the intensity of the blue shading and the scale shown in an inset. The isotherms for 40° and 80° F. are shown by blue lines. The temperatures, in degrees Fahrenheit, observed during the week to which the report refers are shown in black on the last chart. The values given are the means of all readings for the week received up to the date of going to press for each two-degree square.



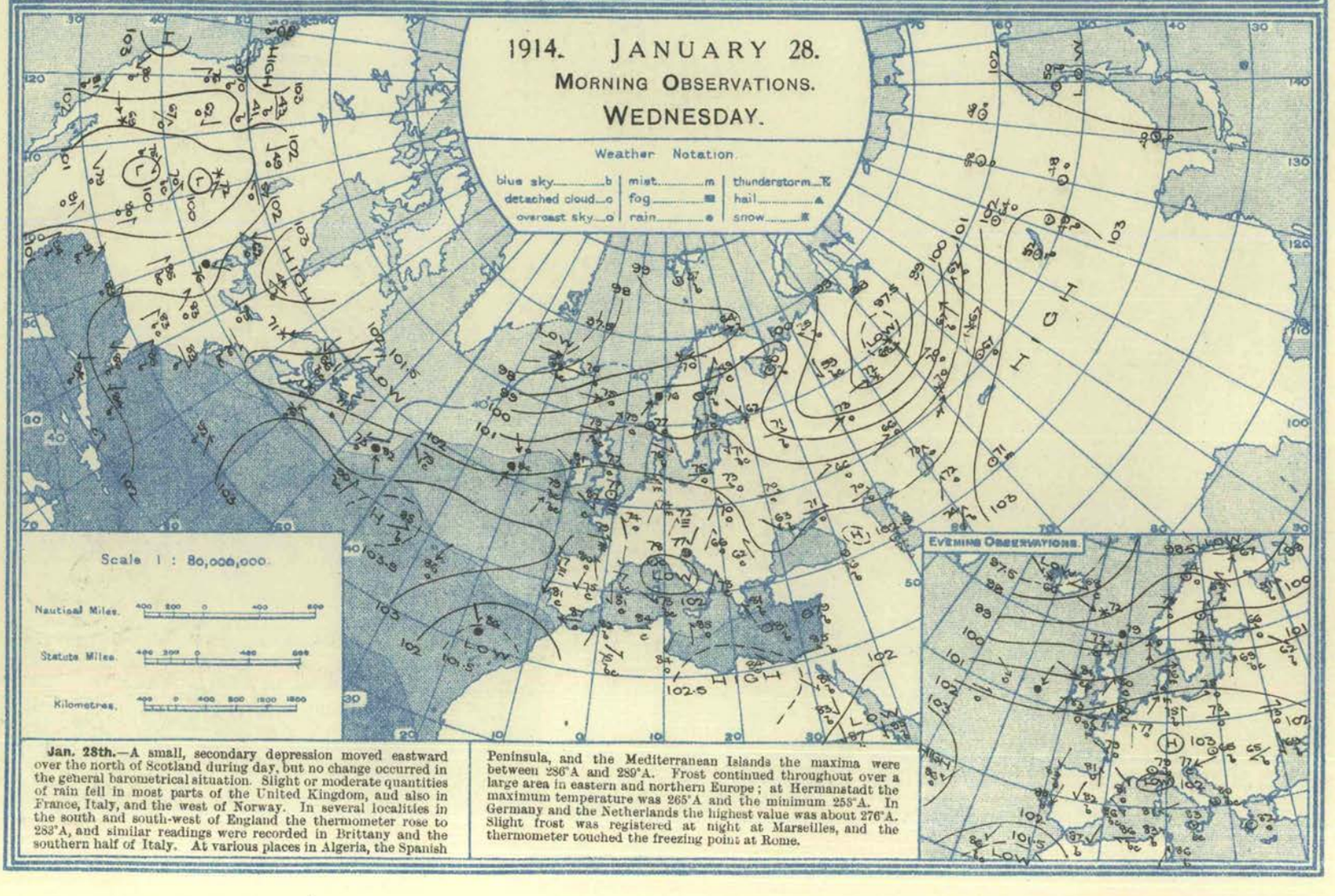

**Jan. 25th.**—A secondary depression appeared off the north-west of these Islands by evening and the wind increased greatly from the South-westward over the whole Kingdom, blowing a gale on several parts of the coast. Heavy rain fell in Scotland, 1·5in. at Stornoway and 3·2in. at Fort William, and smaller quantities in nearly all parts of the United Kingdom, as well as in Brittany and Norway. Temperature rose either during the day or at night to above 283°A in the north and west of these Islands, and to about 279°A in the east and south-east. Over the greater part of France the maxima were between 277°A and 283°A, in the Netherlands about 277°A, and in Germany a little lower. Frost continued in Austria-Hungary, Russia, and the Balkans; at Vienna and Hermanstadt the maximum reading was 265°A. In Algeria and at a few places in the extreme south of Europe the thermometer rose to 286°A or higher.



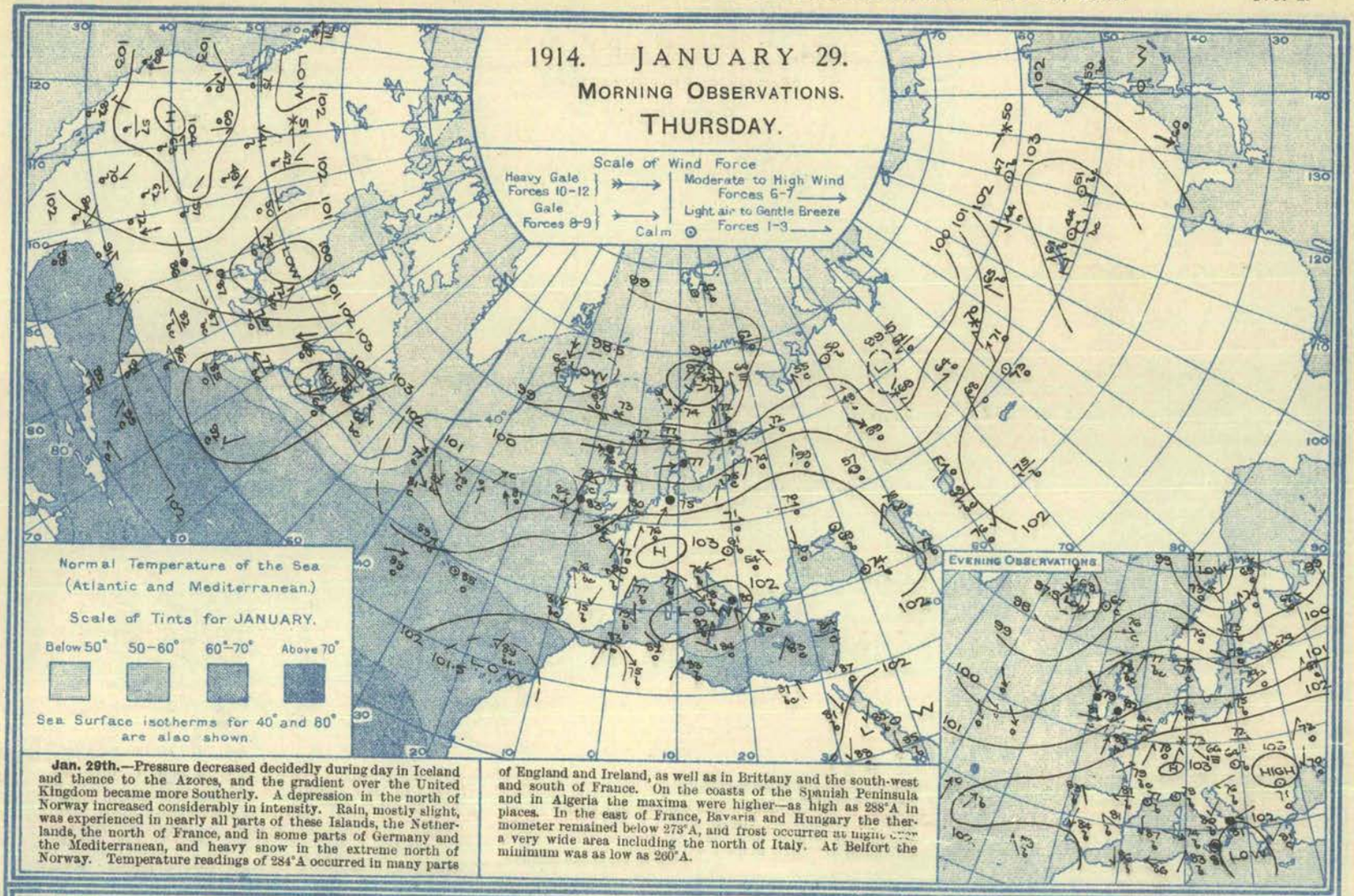

**Jan. 26th.**—Pressure increased over the British Isles during day, and the gradient became more North-Westerly. Gales from the Westward continued over the Baltic region. Rain in slight or moderate amounts was experienced over a large area including most of the United Kingdom, France, the Netherlands, and Norway, and snow in Finland. Over these Islands temperature rose to a maximum of about 280°A, in many French districts to 283°A, and in Germany and the Netherlands to 277°A. Frost continued in Austria and the eastern countries; at Vienna the maximum was again 265°A, and at Hermanstadt the minimum was as low as 249°A. At Tunis the thermometer touched 290°A, at San Fernando 289°A, and at some other stations in the far south it reached 287°A.



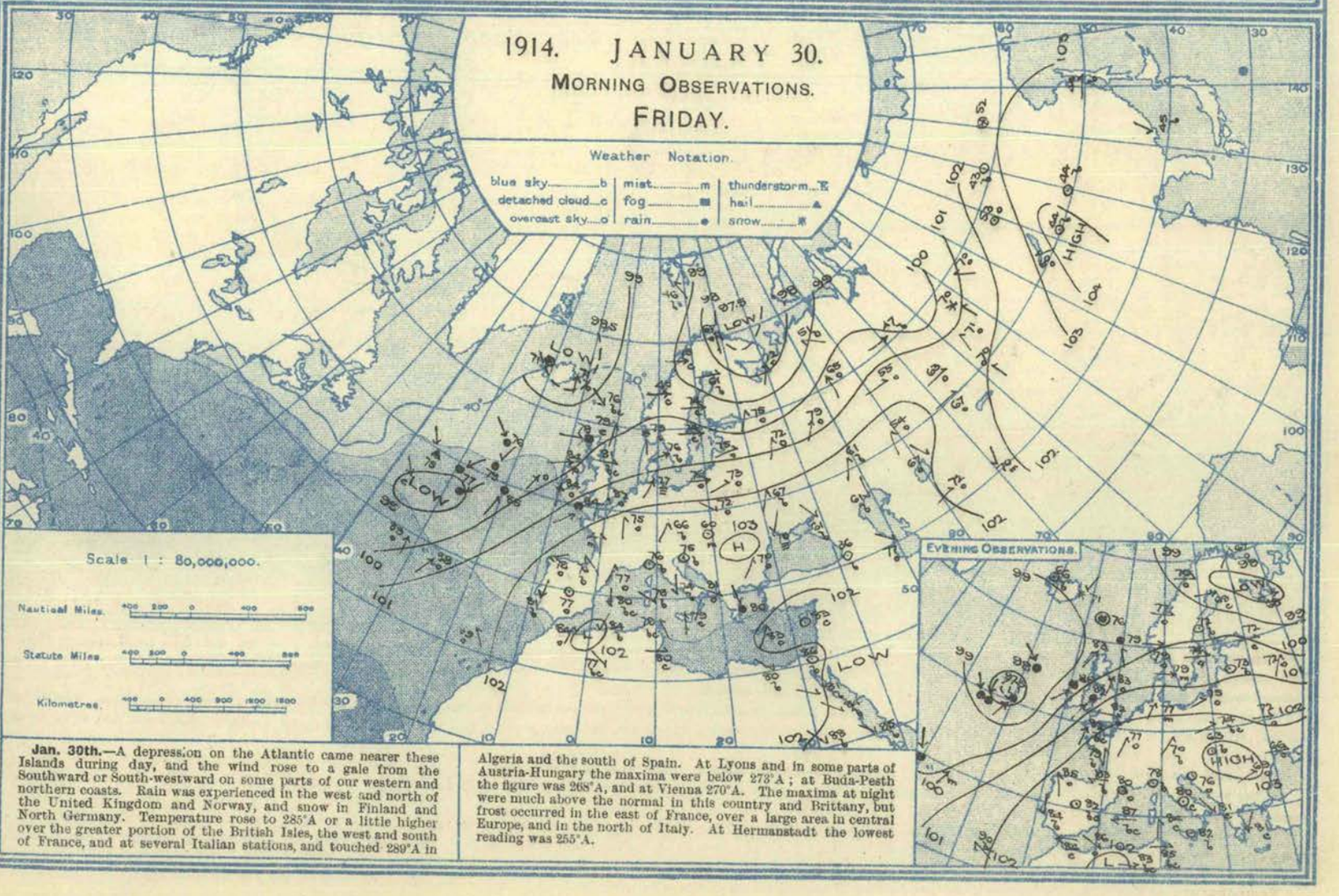

**Jan. 27th.**—The centre of a deep depression travelled in a north-easterly direction between Iceland and Greenland during day and some local irregularities of pressure appeared over the United Kingdom. Rain fell very generally in these Islands, and rain or snow in the north and north-east of France. More than 0·5in. of rain was experienced at Trieste and Leghorn. In some parts of Ireland temperature rose to 283°A, and in many parts of Gt. Britain it touched or exceeded 280°A. Maxima between 280°A and 283°A were also general in the west and north of France and over the major portion of Italy, but in Germany the value was about 275°A, and in many parts of Austria-Hungary below 273°A. At Vienna it was 264°A, at Buda-Pesth 266°A, and at Hermanstadt 265°A. On the coast of Algeria the readings were 289°A.



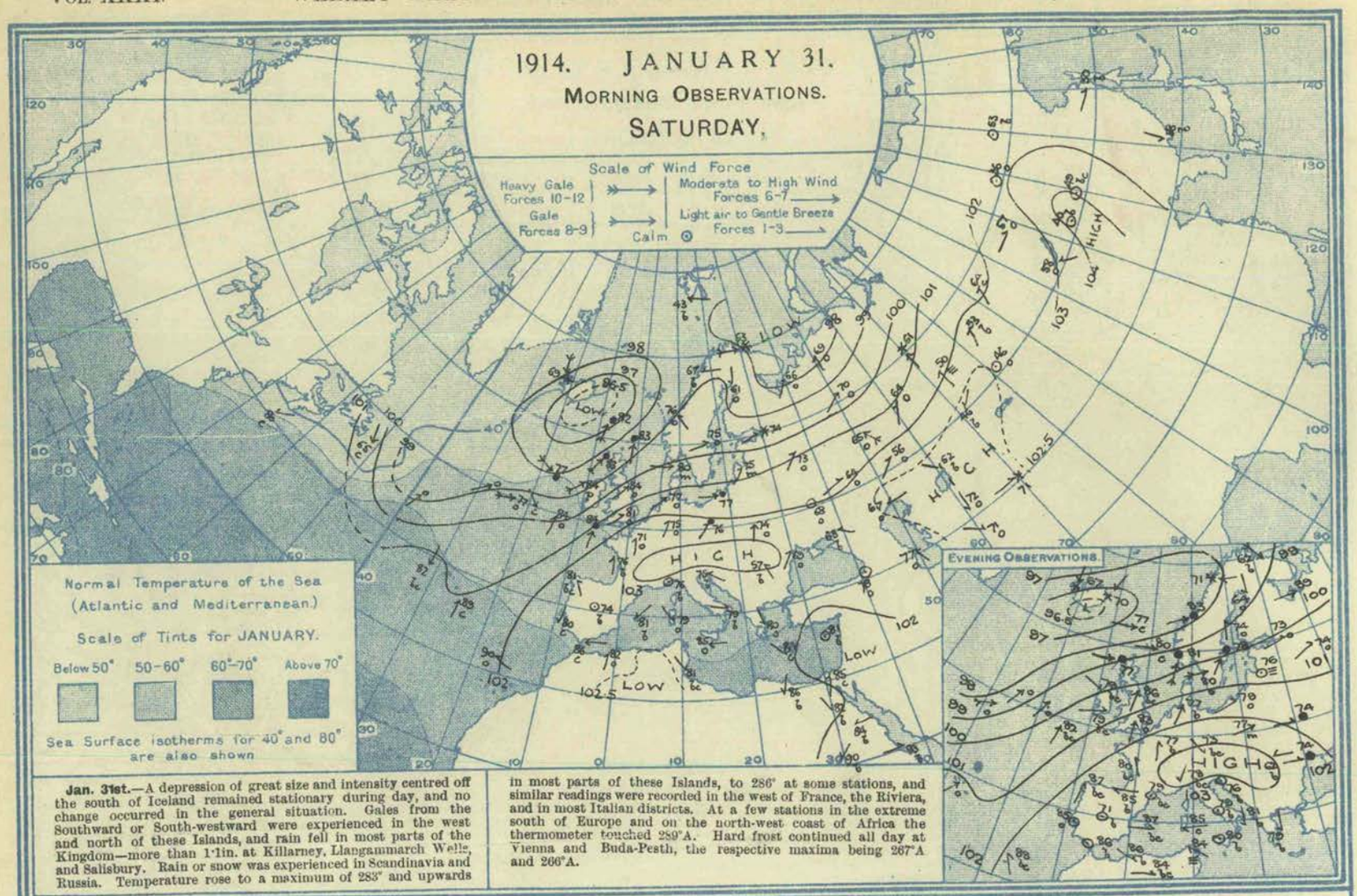

**Jan. 28th.**—A small, secondary depression moved eastward over the north of Scotland during day, but no change occurred in the general barometrical situation. Slight or moderate quantities of rain fell in most parts of the United Kingdom, and also in France, Italy, and the west of Norway. In several localities in the south and south-west of England the thermometer rose to 283°A, and similar readings were recorded in Brittany and the southern half of Italy. At various places in Algeria, the Spanish Peninsula, and the Mediterranean Islands the maxima were between 286°A and 289°A. Frost continued throughout over a large area in eastern and northern Europe; at Hermanstadt the maximum temperature was 265°A and the minimum 253°A. In Germany and the Netherlands the highest value was about 276°A. Slight frost was registered at night at Marseilles, and the thermometer touched the freezing point at Rome.




**Jan. 29th.**—Pressure decreased decidedly during day in Iceland and thence to the Azores, and the gradient over the United Kingdom became more Southerly. A depression in the north of Norway increased considerably in intensity. Rain, mostly slight, was experienced in nearly all parts of these Islands, the Netherlands, the north of France, and in some parts of Germany and the Mediterranean, and heavy snow in the extreme north of Norway. Temperature readings of 284°A occurred in many parts of England and Ireland, as well as in Brittany and the south-west and south of France. On the coasts of the Spanish Peninsula and in Algeria the maxima were higher—as high as 288°A in places. In the east of France, Bavaria and Hungary the thermometer remained below 273°A, and frost occurred at night over a very wide area including the north of Italy. At Belfort the minimum was as low as 260°A.

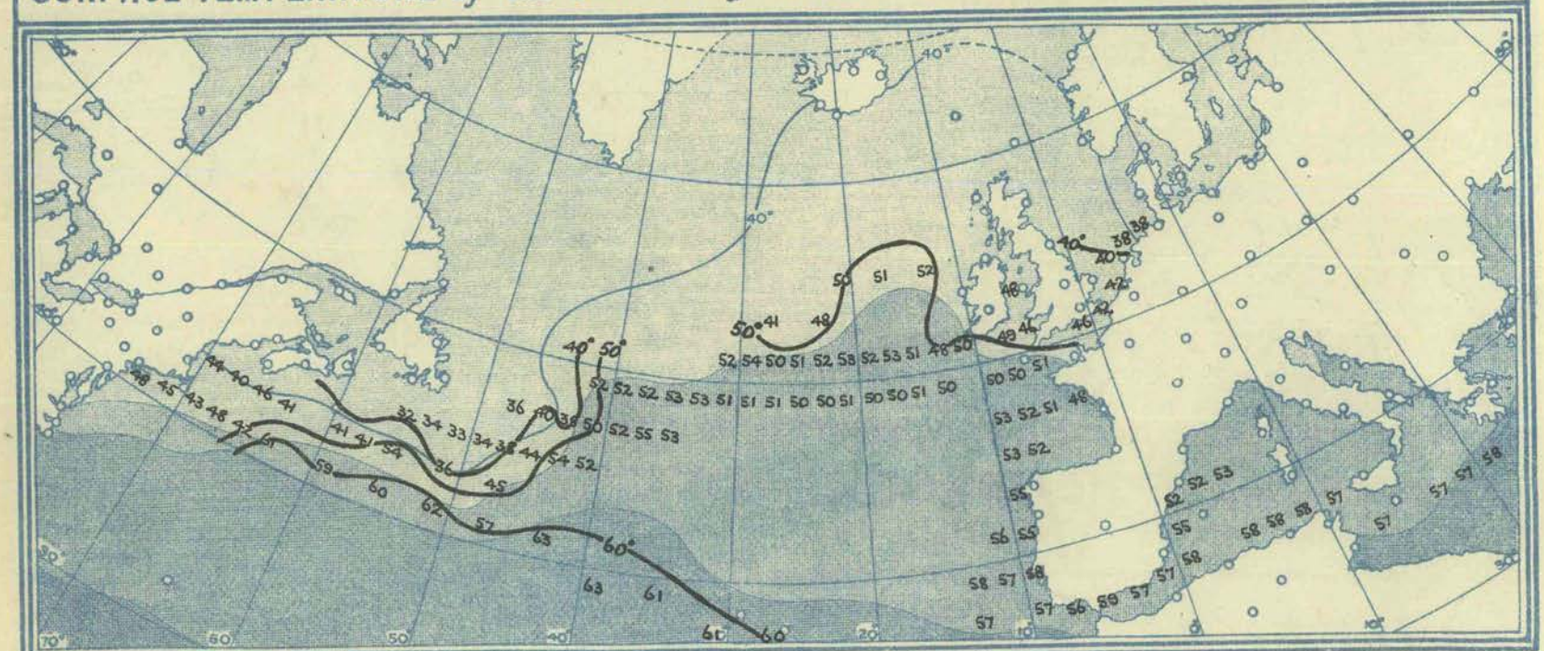



**Jan. 30th.**—A depression on the Atlantic came nearer these Islands during day, and the wind rose to a gale from the Southward or South-westward on some parts of our western and northern coasts. Rain was experienced in the west and north of the United Kingdom and Norway, and snow in Finland and North Germany. Temperature rose to 285°A or a little higher over the greater portion of the British Isles, the west and south of France, and at several Italian stations, and touched 289°A in Algeria and the south of Spain. At Lyons and in some parts of Austria-Hungary the maxima were below 273°A; at Buda-Pesth the figure was 268°A, and at Vienna 270°A. The maxima at night were much above the normal in this country and Brittany, but frost occurred in the east of France, over a large area in central Europe, and in the north of Italy. At Hermanstadt the lowest reading was 255°A.




**Jan. 31st.**—A depression of great size and intensity centred off the south of Iceland remained stationary during day, and no change occurred in the general situation. Gales from the Southward or South-westward were experienced in the west and north of these Islands, and rain fell in most parts of the Kingdom—more than 1·1in. at Killarney, Llangammarch Wells, and Salisbury. Rain or snow was experienced in Scandinavia and Russia. Temperature rose to a maximum of 283° and upwards in most parts of these Islands, to 286° at some stations, and similar readings were recorded in the west of France, the Riviera, and in most Italian districts. At a few stations in the extreme south of Europe and on the north-west coast of Africa the thermometer touched 289°A. Hard frost continued all day at Vienna and Buda-Pesth, the respective maxima being 267°A and 266°A.

## SURFACE TEMPERATURE of the SEA during the week ended Saturday, 31ST JANUARY, 1914.



**Explanation of Charts.**—The height of the barometer is expressed by isobars, which are drawn for intervals of one centibar, the equivalent on the absolute scale of pressure units of 0·295 mercury inches. 1 centibar = 10 millibars. 100 centibars = 29·53 mercury inches = 750·0 mercury millimetres. The winds are shown by arrows which are drawn flying with the wind. Temperatures are given in degrees Absolute, freezing point = 273°, the initial 2 being omitted.

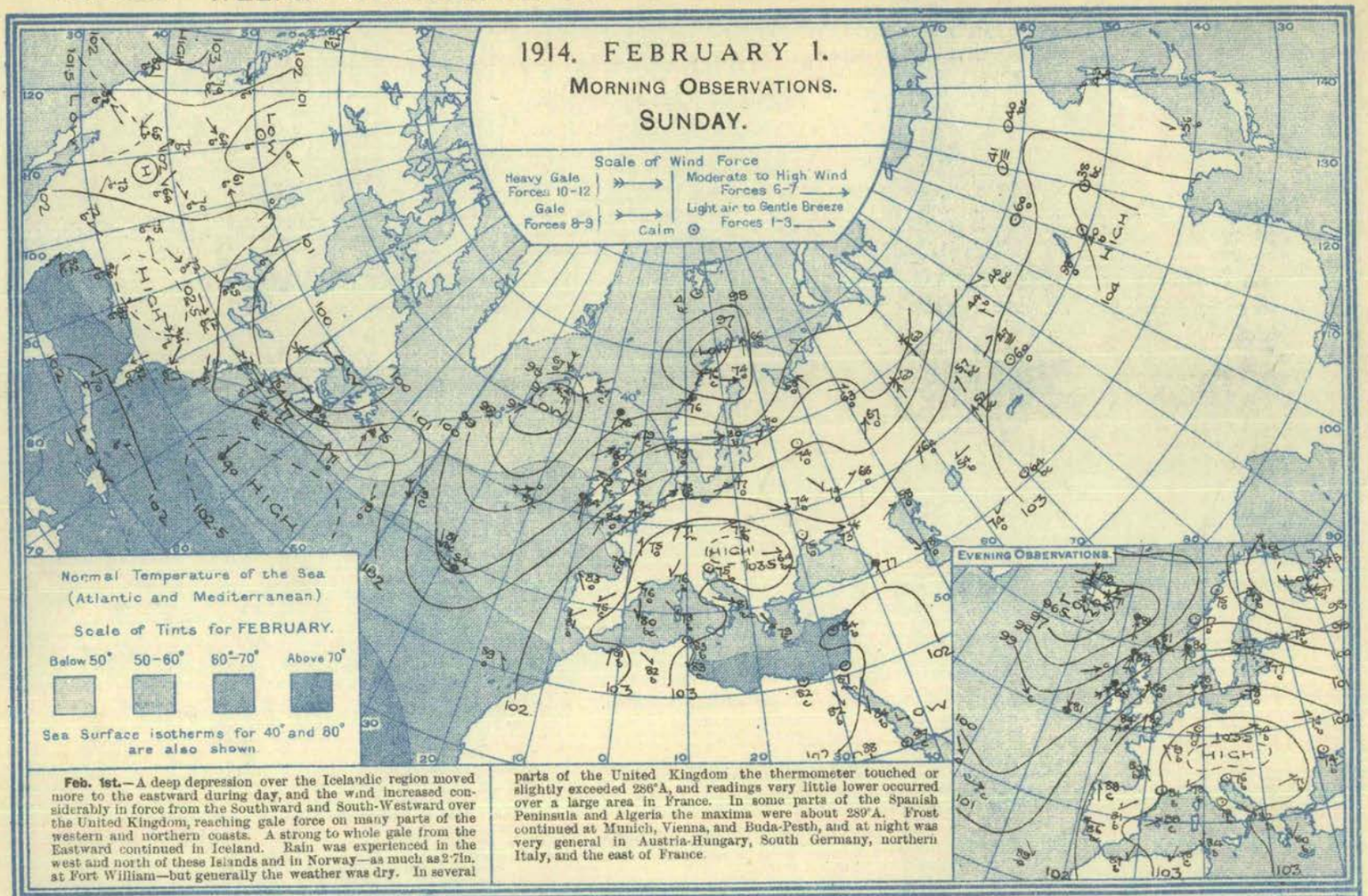
The charts are prepared from observations made at 7 a.m. in the British Islands, France, Italy, Belgium, Holland, Germany, Denmark, Norway, Sweden, Iceland, Spitzbergen, Madeira, and Algeria; at 6.30 a.m. in Switzerland; at 6 a.m. in Egypt; at 5.25 a.m. in Greece; at 8.37 a.m. in Portugal; and at 8 a.m. in Spain and in the Azores. These times refer to Greenwich Mean Time.

Observations in Austria-Hungary and the Russian Empire, including Siberia, are taken at 7 a.m. local time.

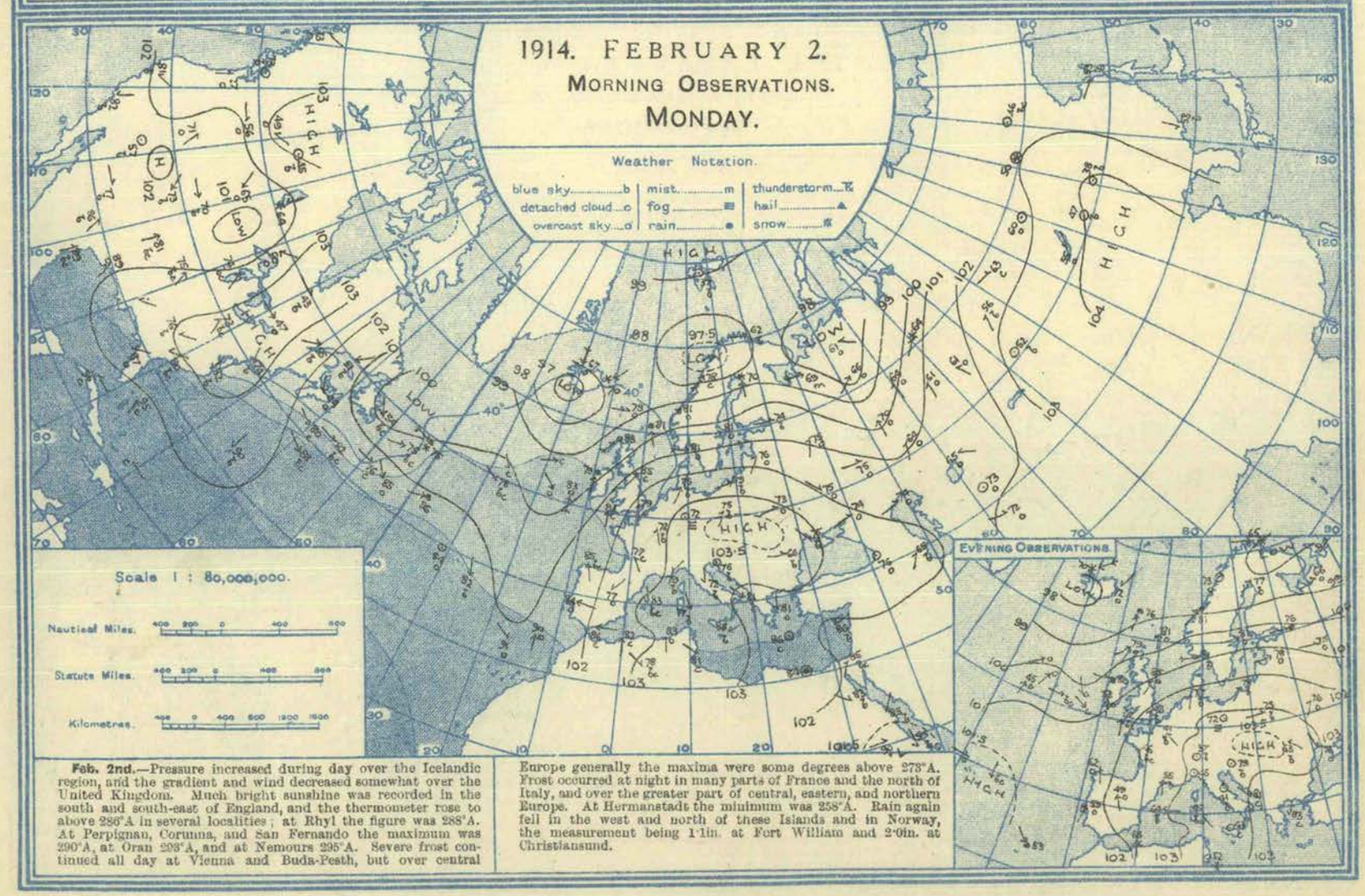
On the American Continent and at Bermuda the observations are taken at 8 a.m., mean time of Longitude 75° W., i.e., 1 p.m. G.M.T. "Wireless" observations from the Atlantic Ocean are taken at 7 a.m. G.M.T., others at 8 a.m. local time.

The evening charts are prepared from observations made at 6 p.m. in the British Islands, France, Germany, Holland, Denmark and Norway; at 4 p.m. in Spain; at 5 p.m. in Iceland; at 6.25 p.m. in Greece; at 8 p.m. in Belgium, Sweden, Switzerland, Italy; and at 9.37 p.m. in Portugal and 9 p.m. in the Azores. In Austria-Hungary and the Russian Empire (including Siberia) they are taken at 9 p.m. local time.

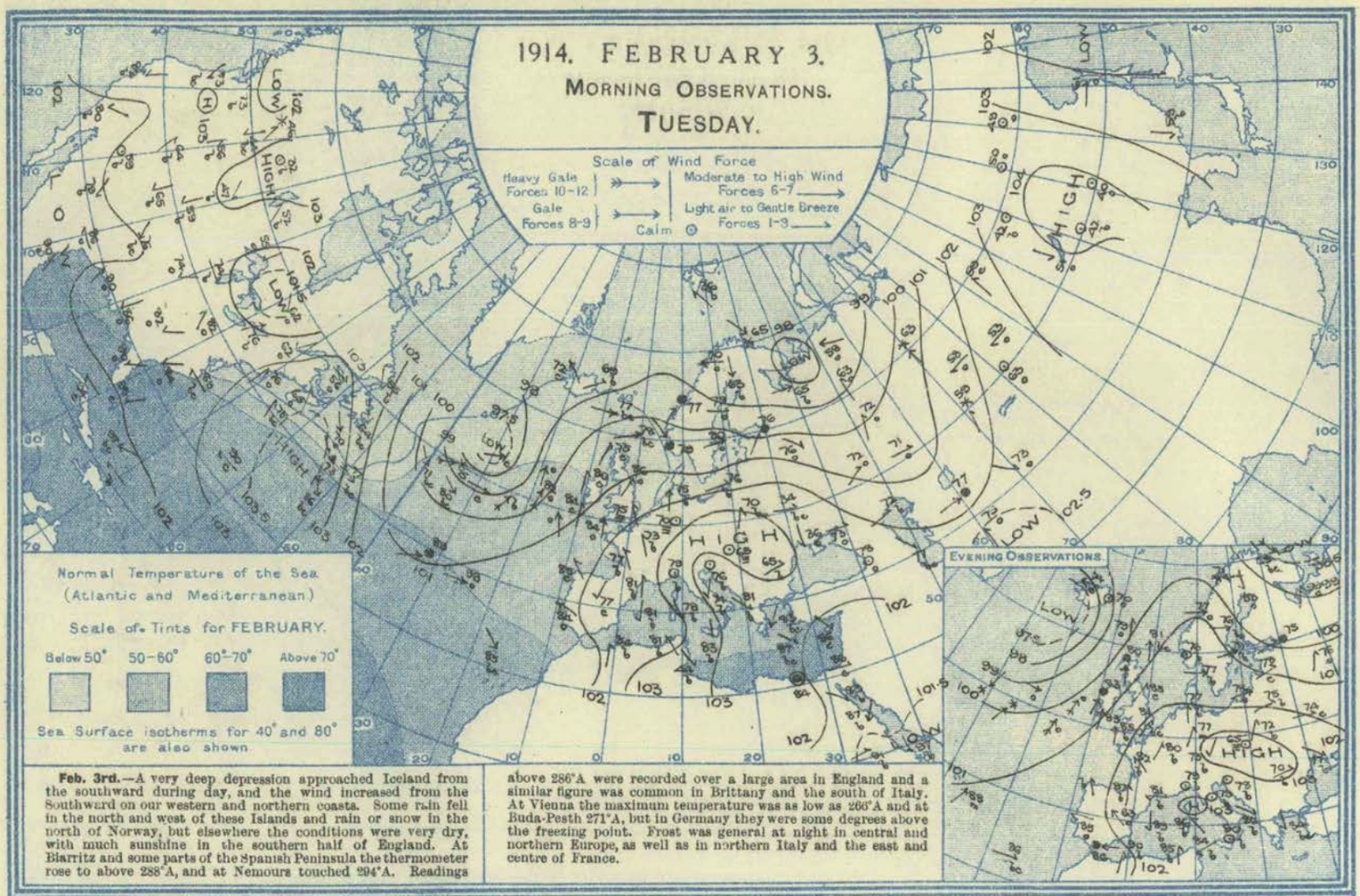
**Temperature of the Sea.**—The normal surface temperature of the sea for the month is indicated by the intensity of the blue shading and the scale shown in an inset. The isotherms for 40° and 80° F. are shown by blue lines. The temperatures, in degrees Fahrenheit, observed during the week to which the report refers are shown in black on the last chart. The values given are the means of all readings for the week received up to the date of going to press for each two-degree square.



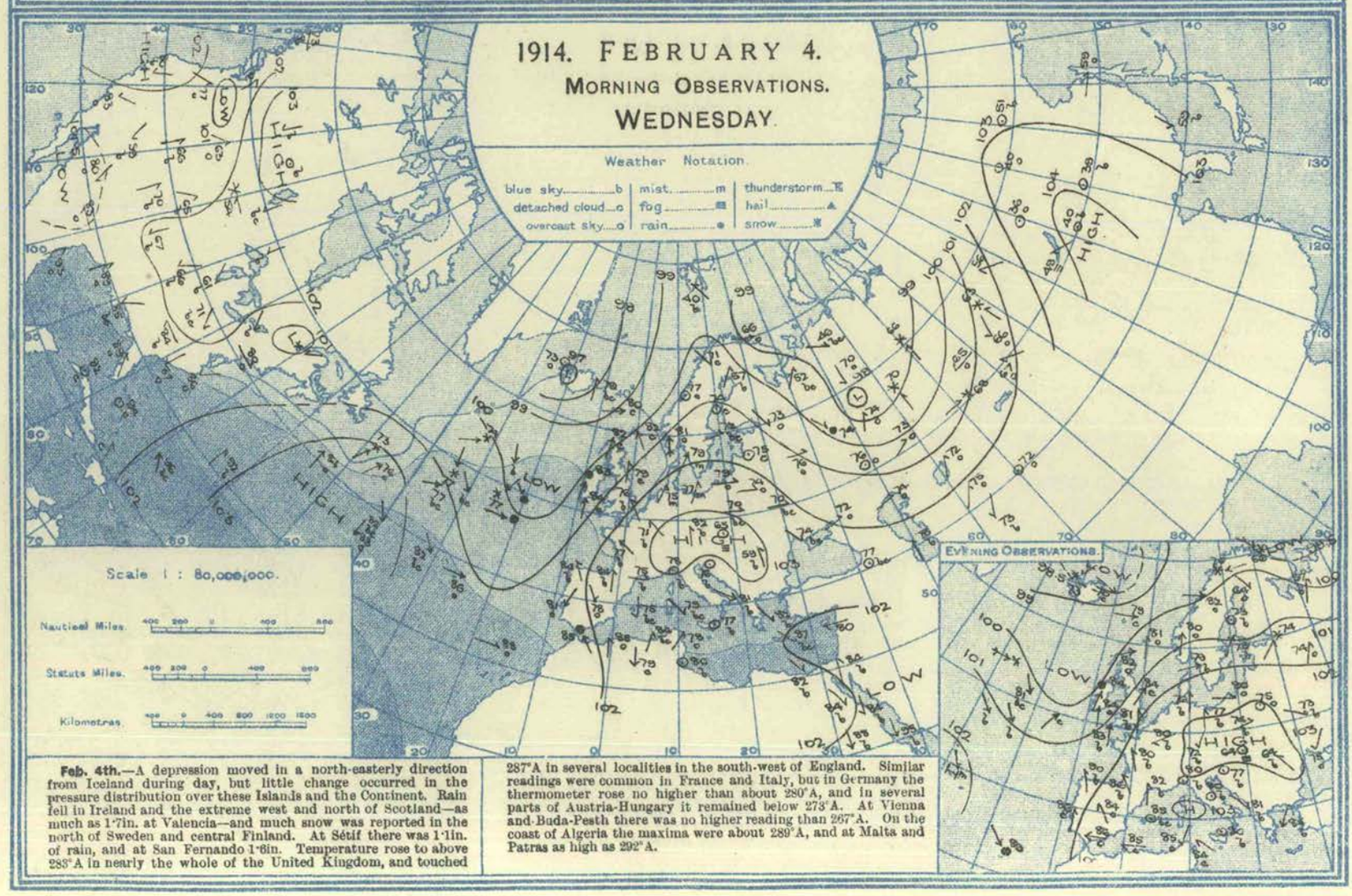

**Feb. 1st.**—A deep depression over the Icelandic region moved more to the eastward during day, and the wind increased considerably in force from the Southward and South-Westward over the United Kingdom, reaching gale force on many parts of the western and northern coasts. A strong to whole gale from the Eastward continued in Iceland. Rain was experienced in the west and north of these Islands and in Norway—as much as 2·7in. at Fort William—but generally the weather was dry. In several parts of the United Kingdom the thermometer touched or slightly exceeded 286°A, and readings very little lower occurred over a large area in France. In some parts of the Spanish Peninsula and Algeria the maxima were about 289°A. Frost continued at Munich, Vienna, and Buda-Pesth, and at night was very general in Austria-Hungary, South Germany, northern Italy, and the east of France.



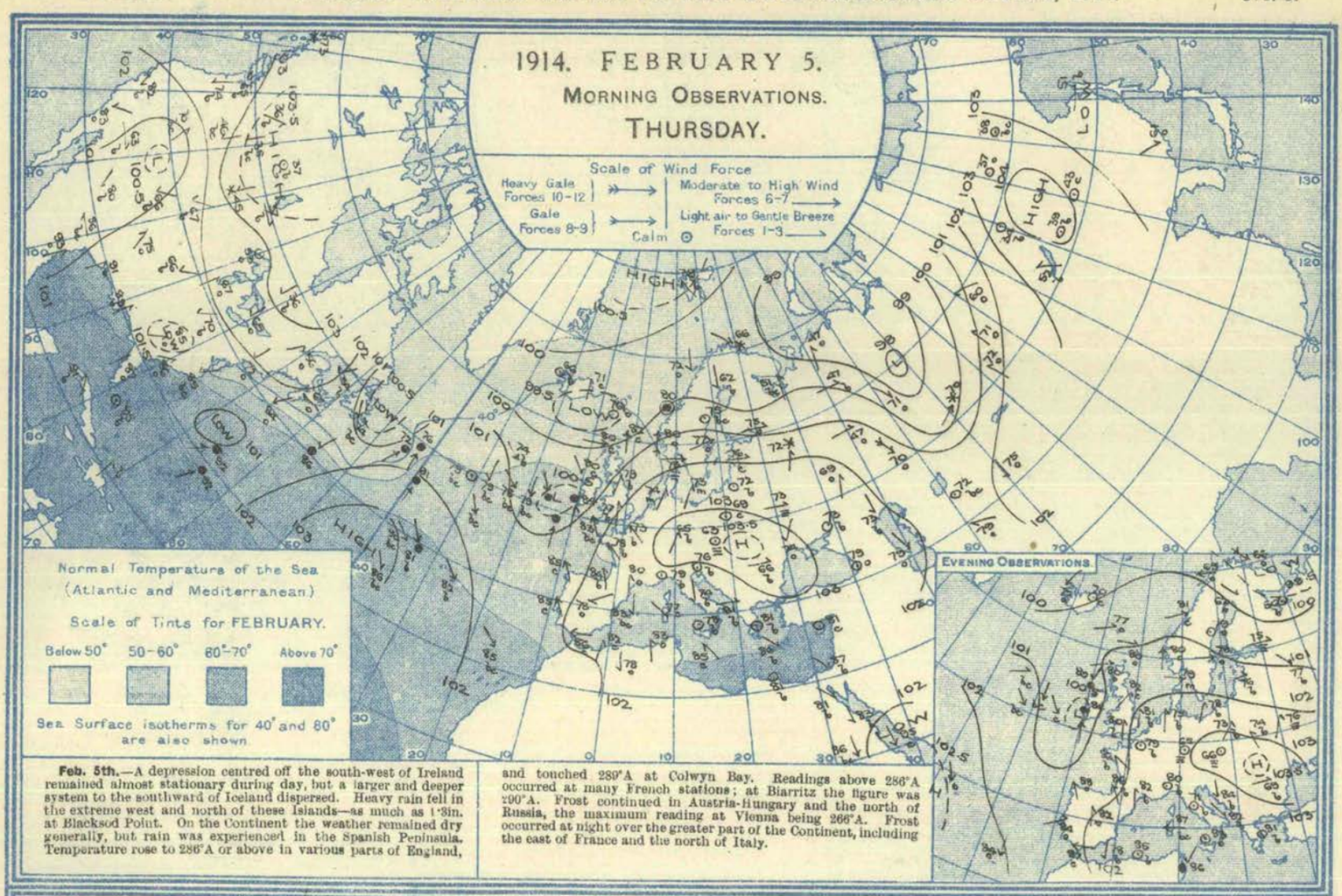

**Feb. 2nd.**—Pressure increased during day over the Icelandic region, and the gradient and wind decreased somewhat over the United Kingdom. Much bright sunshine was recorded in the south and south-east of England, and the thermometer rose to above 286°A in several localities; at Rhyl the figure was 288°A. At Perpignan, Coruna, and San Fernando the maximum was 290°A, at Oran 293°A, and at Nemours 295°A. Severe frost continued all day at Vienna and Buda-Pesth, but over central Europe generally the maxima were some degrees above 273°A. Frost occurred at night in many parts of France and the north of Italy, and over the greater part of central, eastern, and northern Europe. At Hermanstadt the minimum was 258°A. Rain again fell in the west and north of these Islands and in Norway, the measurement being 1·1in. at Fort William and 2·0in. at Christiansund.



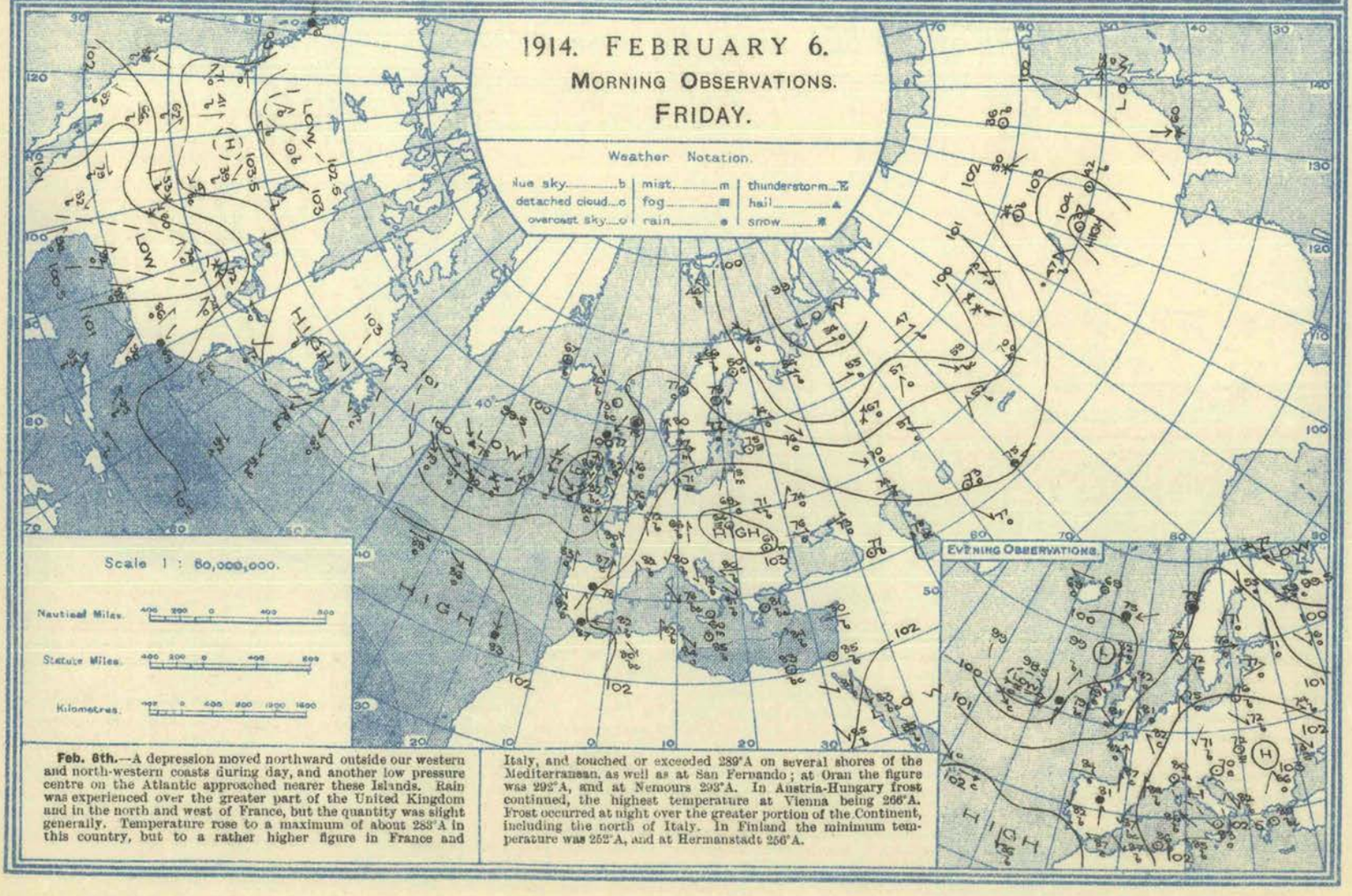

**Feb. 3rd.**—A very deep depression approached Iceland from the southward during day, and the wind increased from the Southward on our western and northern coasts. Some rain fell in the north and west of these Islands and rain or snow in the north of Norway, but elsewhere the conditions were very dry, with much sunshine in the southern half of England. At Biarritz and some parts of the Spanish Peninsula the thermometer rose to above 288°A, and at Nemours touched 294°A. Readings above 286°A were recorded over a large area in England and a similar figure was common in Brittany and the south of Italy. At Vienna the maximum temperature was as low as 266°A and at Buda-Pesth 271°A, but in Germany they were some degrees above the freezing point. Frost was general at night in central and northern Europe, as well as in northern Italy and the east and centre of France.



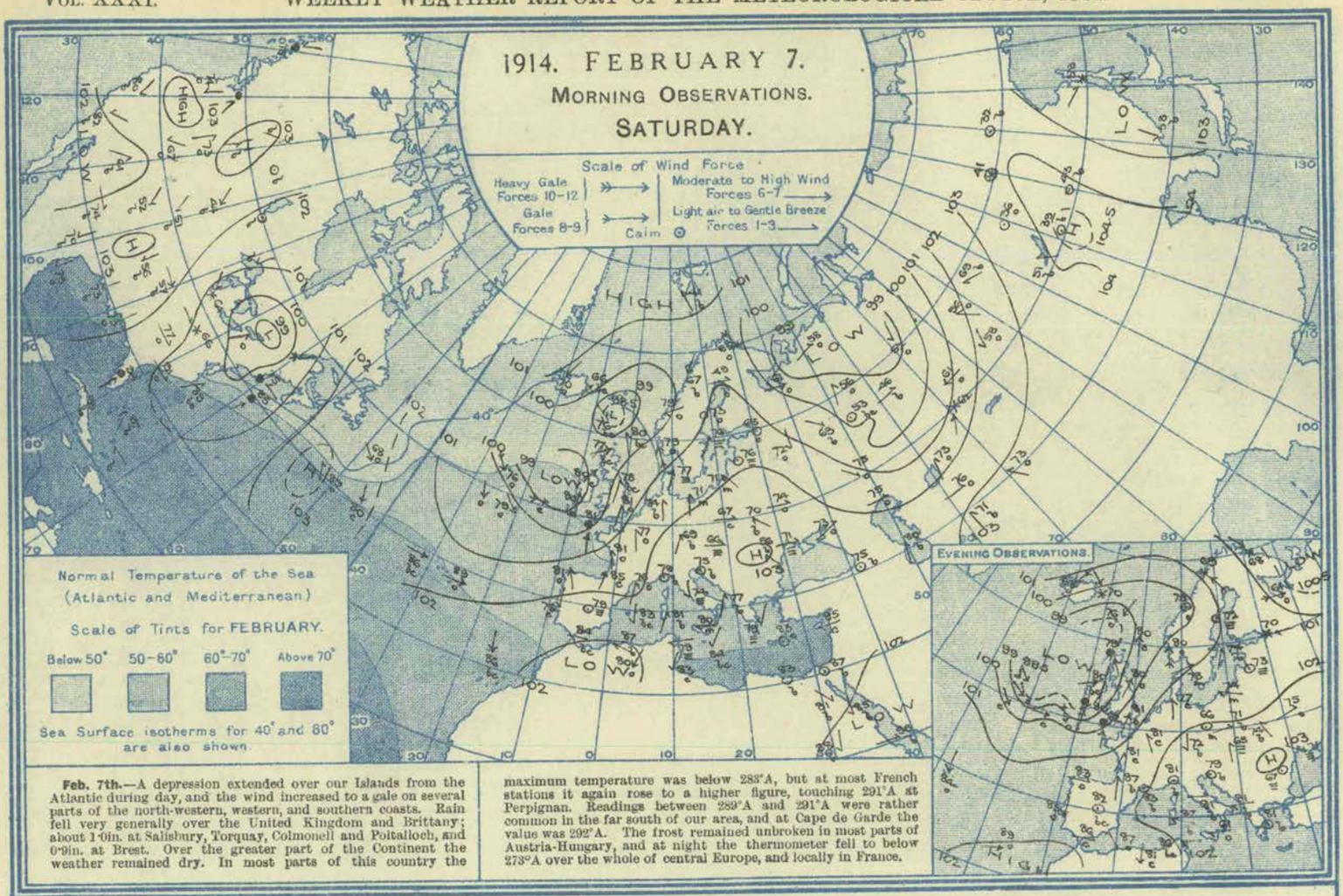

**Feb. 4th.**—A depression moved in a north-easterly direction from Iceland during day, but little change occurred in the pressure distribution over these Islands and the Continent. Rain fell in Ireland and the extreme west and north of Scotland—as much as 1·7in. at Valencia—and much snow was reported in the north of Sweden and central Finland. At Sétif there was 1·1in. of rain, and at San Fernando 1·6in. Temperature rose to above 288°A in nearly the whole of the United Kingdom, and touched 287°A in several localities in the south-west of England. Similar readings were common in France and Italy, but in Germany the thermometer rose no higher than about 280°A, and in several parts of Austria-Hungary it remained below 273°A. At Vienna and Buda-Pesth there was no higher reading than 267°A. On the coast of Algeria the maxima were about 289°A, and at Malta and Patras as high as 292°A.




**Feb. 5th.**—A depression centred off the south-west of Ireland remained almost stationary during day, but a larger and deeper system to the southward of Iceland dispersed. Heavy rain fell in the extreme west and north of these Islands—as much as 1·3in. at Blacksod Point. On the Continent the weather remained dry generally, but rain was experienced in the Spanish Peninsula. Temperature rose to 286°A or above in various parts of England, and touched 289°A at Colwyn Bay. Readings above 286°A occurred at many French stations; at Biarritz the figure was 290°A. Frost continued in Austria-Hungary and the north of Russia, the maximum reading at Vienna being 266°A. Frost occurred at night over the greater part of the Continent, including the east of France and the north of Italy.

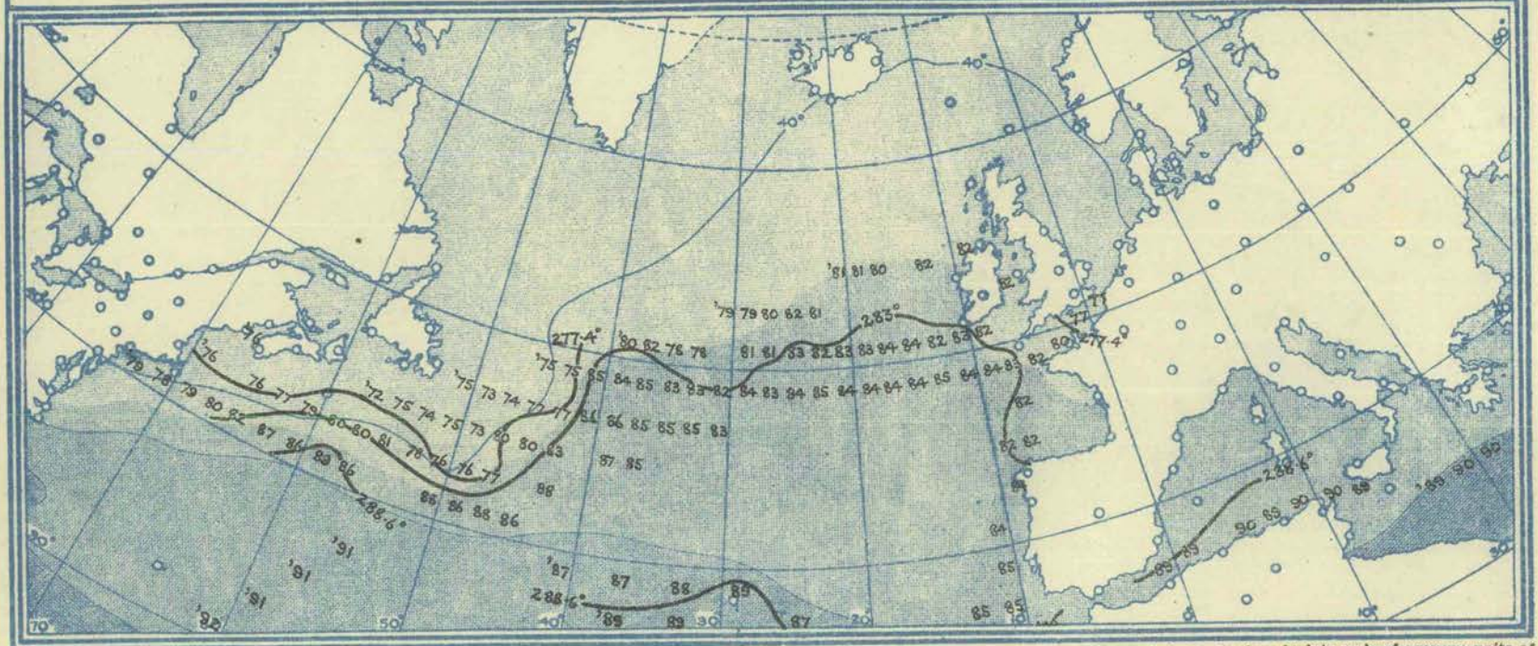



**Feb. 6th.**—A depression moved northward outside our western and north-western coasts during day, and another low pressure centre on the Atlantic approached nearer these Islands. Rain was experienced over the greater part of the United Kingdom and in the north and west of France, but the quantity was slight generally. Temperature rose to a maximum of about 283°A in this country, but to a rather higher figure in France and Italy, and touched or exceeded 289°A on several shores of the Mediterranean, as well as at San Fernando; at Oran the figure was 292°A, and at Nemours 293°A. In Austria-Hungary frost continued, the highest temperature at Vienna being 266°A. Frost occurred at night over the greater portion of the Continent, including the north of Italy. In Finland the minimum temperature was 252°A, and at Hermanstadt 256°A.




**Feb. 7th.**—A depression extended over our Islands from the Atlantic during day, and the wind increased to a gale on several parts of the north-western, western, and southern coasts. Rain fell very generally over the United Kingdom and Brittany; about 1·0in. at Salisbury, Torquay, Colmonell and Poltalloch, and 0·9in. at Brest. Over the greater part of the Continent the weather remained dry. In most parts of this country the maximum temperature was below 283°A, but at most French stations it again rose to a higher figure, touching 291°A at Perpignan. Readings between 289°A and 291°A were rather common in the far south of our area, and at Cape de Garde the value was 292°A. The frost remained unbroken in most parts of Austria-Hungary, and at night the thermometer fell to below 273°A over the whole of central Europe, and locally in France.

## *SURFACE TEMPERATURE of the SEA during the week ended Saturday, 7TH FEBRUARY, 1914.*



**Explanation of Charts.**—The height of the barometer is expressed by isobars, which are drawn for intervals of one centibar, the equivalent on the absolute scale of pressure units of 0·295 mercury inches. 1 centibar = 10 millibars. 100 centibars = 29·53 mercury inches = 750·0 mercury millimetres. The winds are shown by arrows which are drawn flying with the wind. Temperatures are given in degrees Absolute, freezing point = 273°, the initial 2 being omitted.

The charts are prepared from observations made at 7 a.m. in the British Islands, France, Italy, Belgium, Holland, Germany, Denmark, Norway, Sweden, Iceland, Spitzbergen, Madeira, and Algeria; at 6.30 a.m. in Switzerland; at 6 a.m. in Egypt; at 5.25 a.m. in Greece; at 8.37 a.m. in Portugal; and at 8 a.m. in Spain and in the Azores. These times refer to Greenwich Mean Time.

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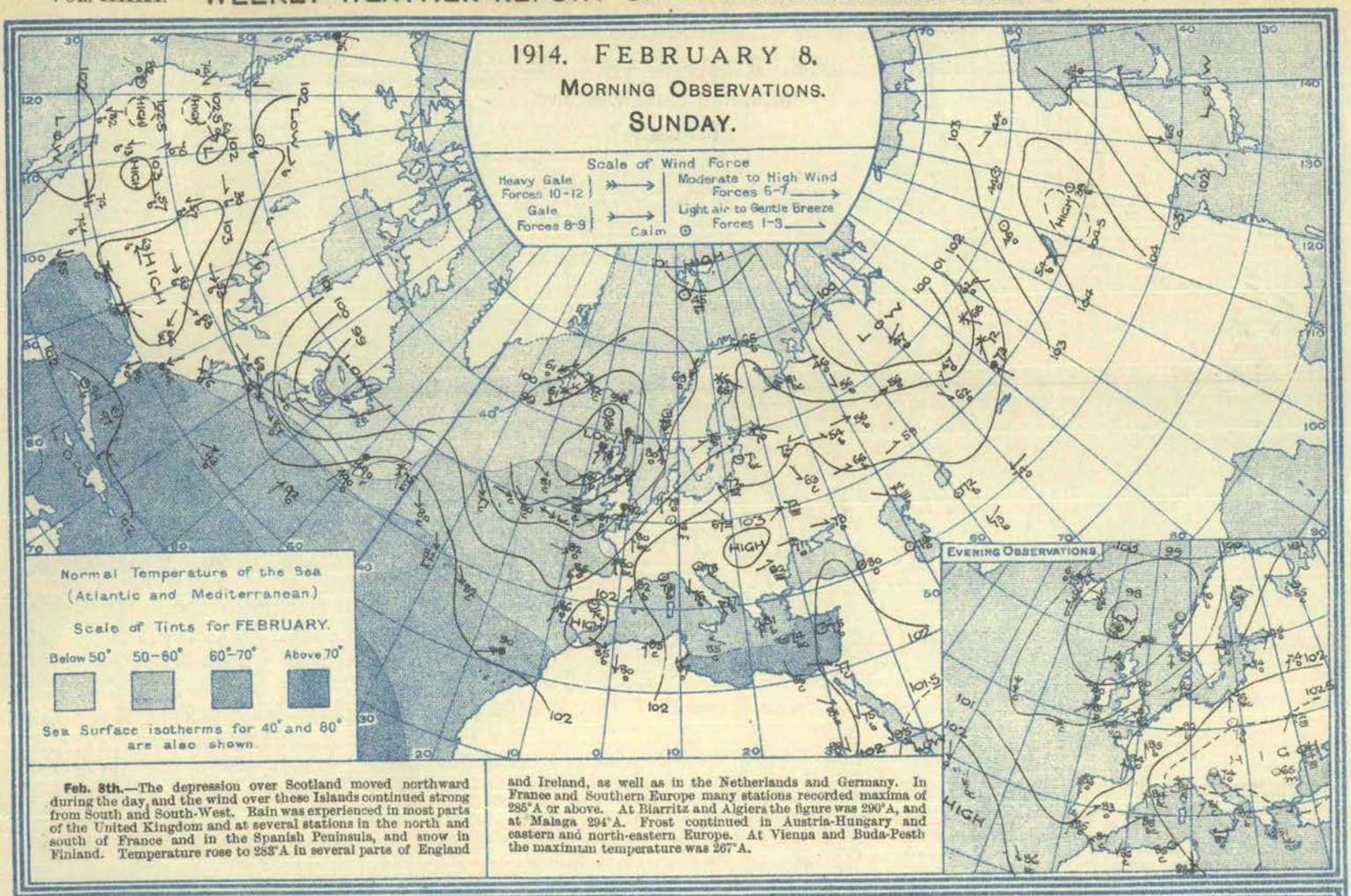
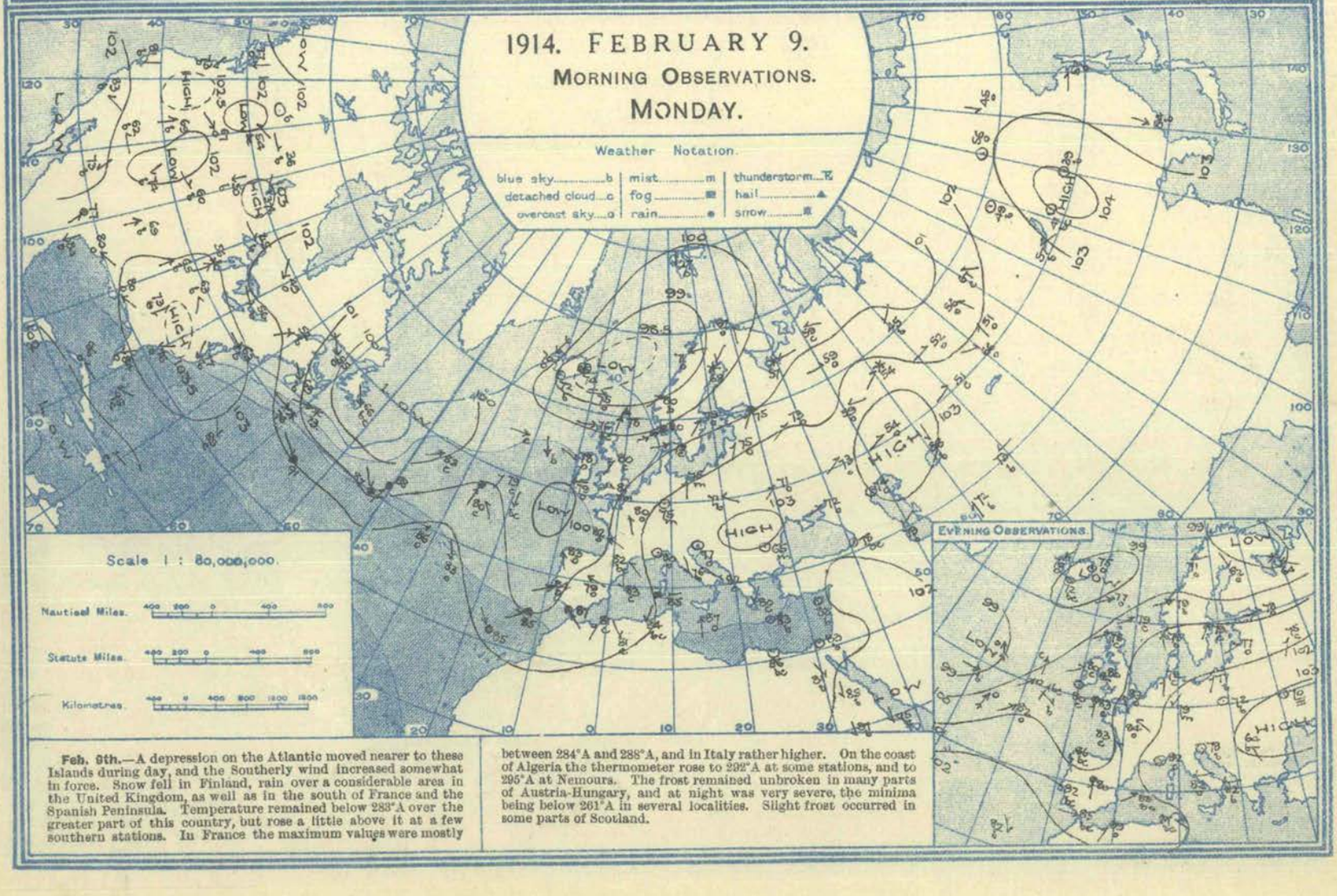
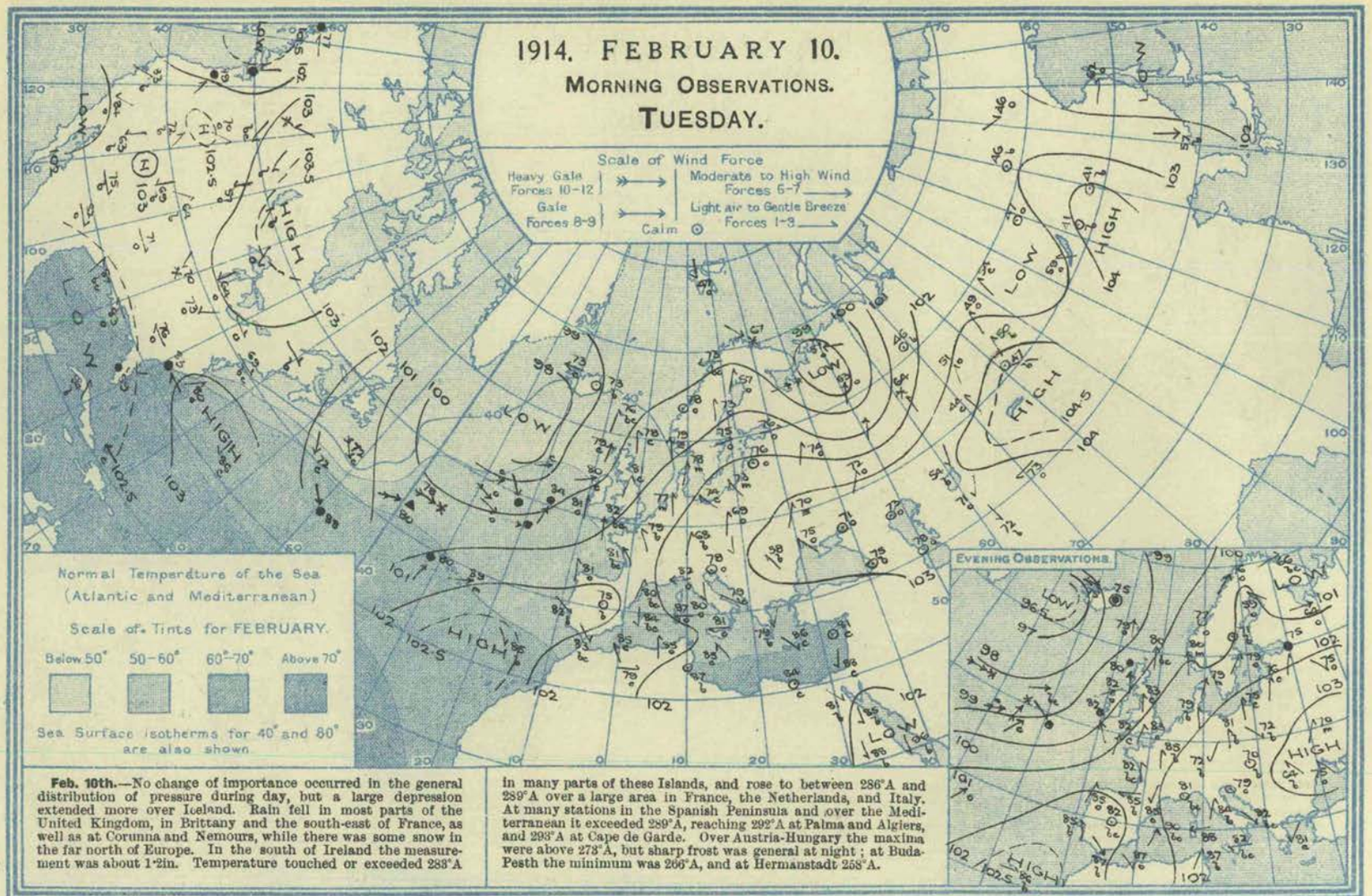
**Temperature of the Sea.**—The surface temperature of the sea in degrees Absolute, observed during the week to which the report refers, is shown in black on the last chart. The values given are the means of all readings for the week received up to the date of going to press for each two-degree square. The normal temperature for the month is indicated in degrees Fahrenheit by the intensity of the blue shading and the scale shown in an inset. The isotherms for 40° and 80° F. are shown by blue lines.



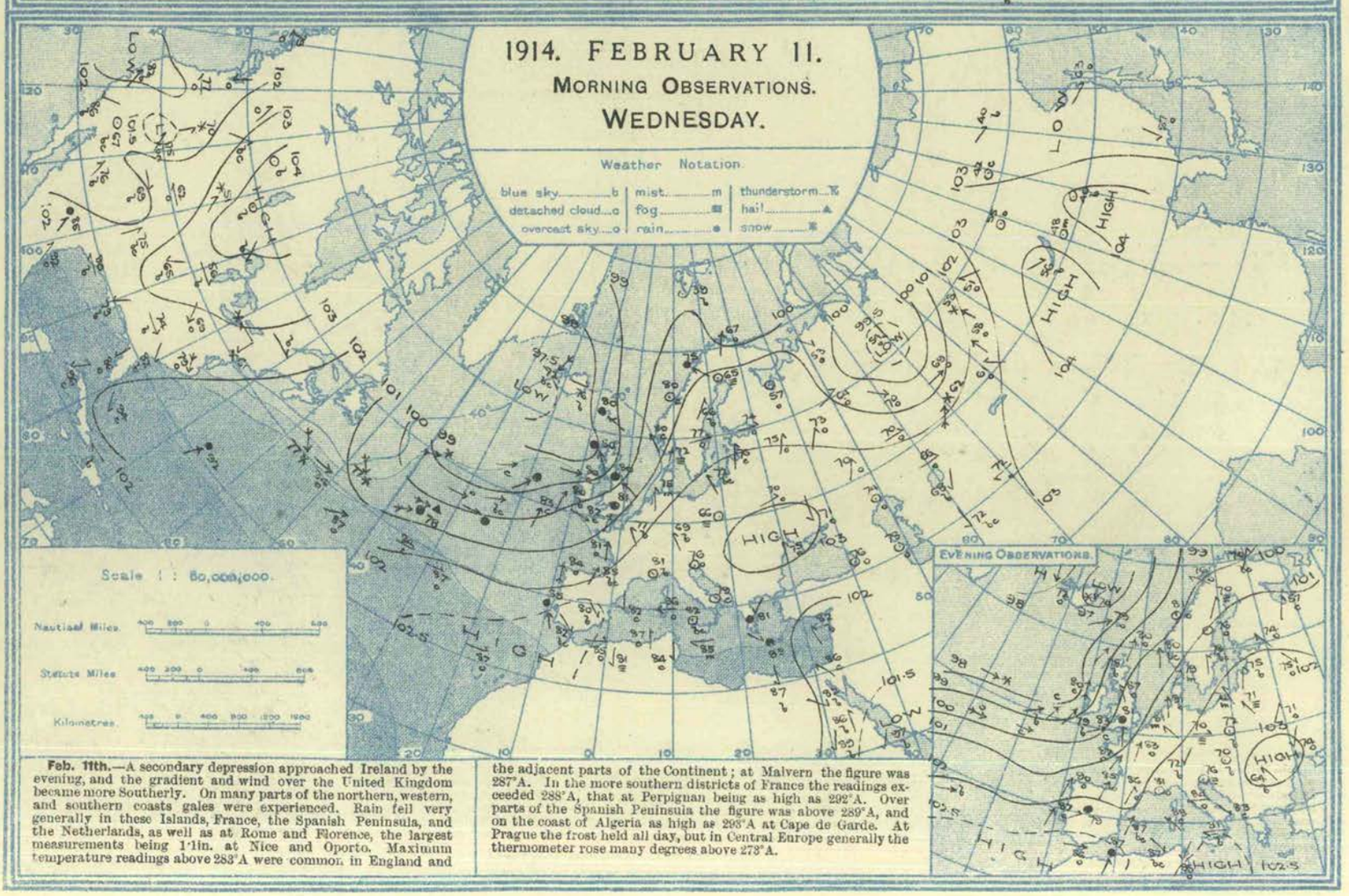

**Feb. 8th.**—The depression over Scotland moved northward during the day, and the wind over these Islands continued strong from South and South-West. Rain was experienced in most parts of the United Kingdom and at several stations in the north and south of France and in the Spanish Peninsula, and snow in Finland. Temperature rose to 283°A in several parts of England and Ireland, as well as in the Netherlands and Germany. In France and Southern Europe many stations recorded maxima of 285°A or above. At Biarritz and Algiers the figure was 290°A, and at Malaga 294°A. Frost continued in Austria-Hungary and eastern and north-eastern Europe. At Vienna and Buda-Pesth the maximum temperature was 267°A.



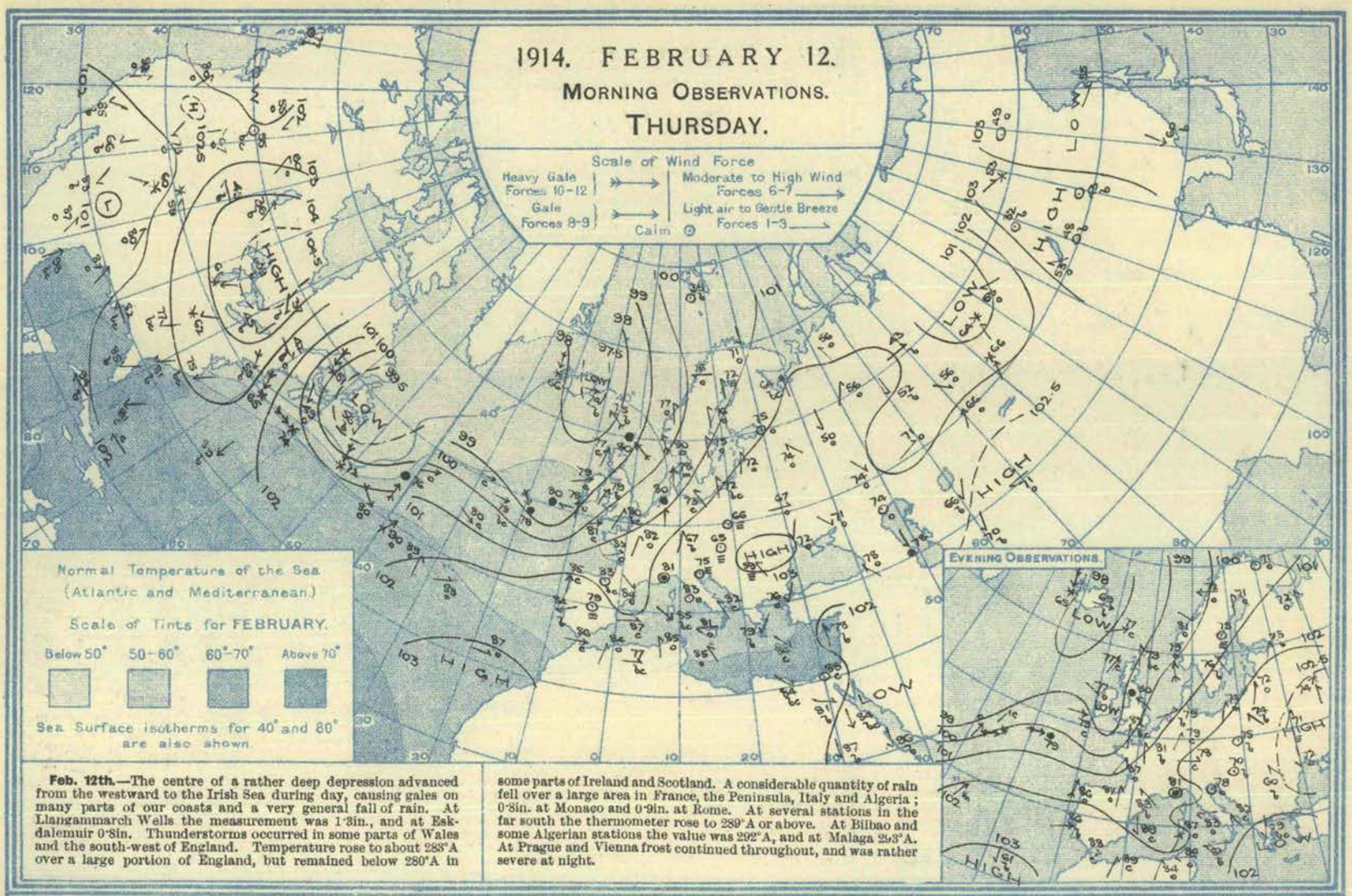

**Feb. 9th.**—A depression on the Atlantic moved nearer to these Islands during day, and the Southerly wind increased somewhat in force. Snow fell in Finland, rain over a considerable area in the United Kingdom, as well as in the south of France and the Spanish Peninsula. Temperature remained below 283°A over the greater part of this country, but rose a little above it at a few southern stations. In France the maximum values were mostly between 284°A and 288°A, and in Italy rather higher. On the coast of Algeria the thermometer rose to 292°A at some stations, and to 295°A at Nemours. The frost remained unbroken in many parts of Austria-Hungary, and at night was very severe, the minima being below 261°A in several localities. Slight frost occurred in some parts of Scotland.



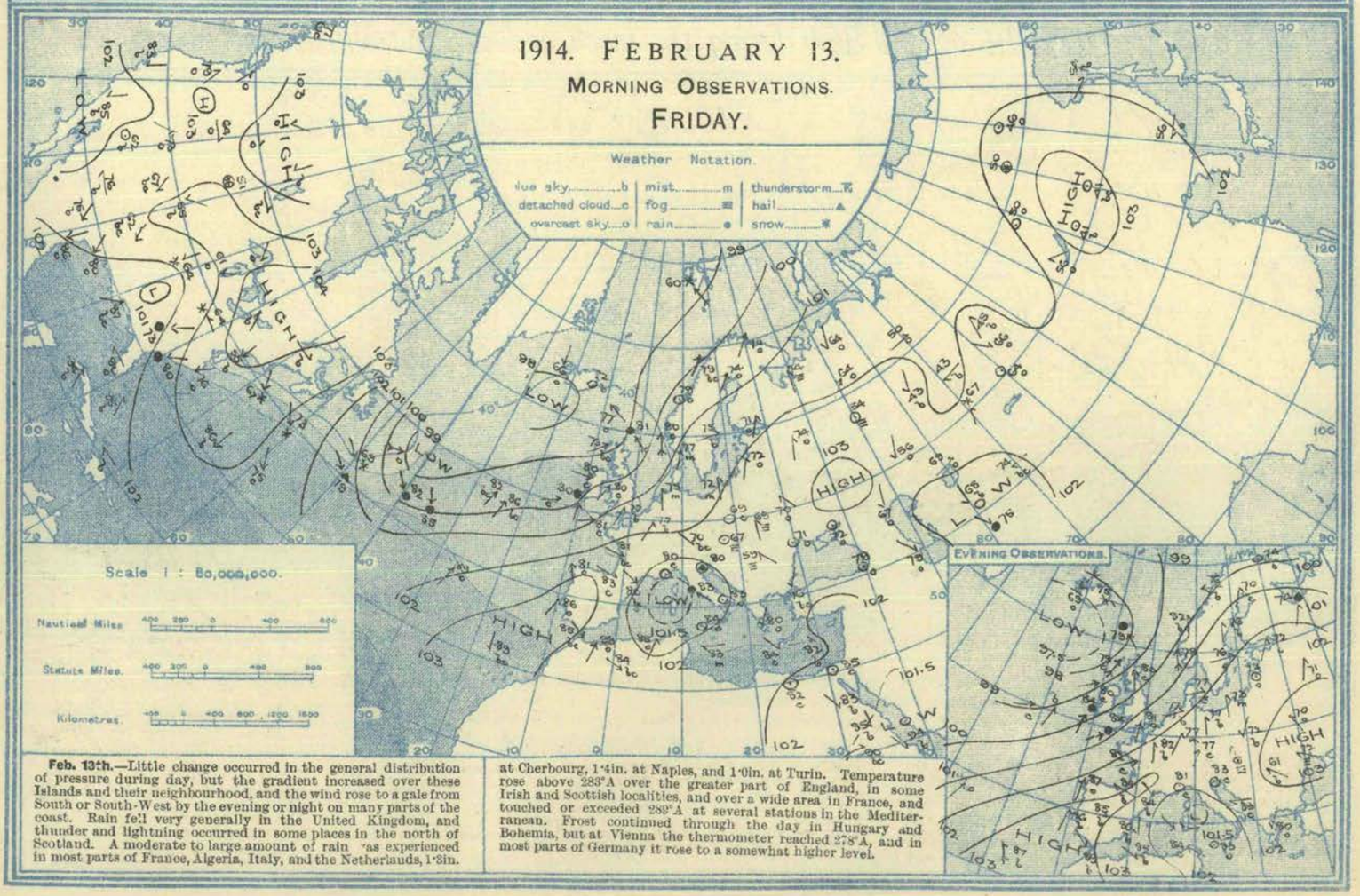

**Feb. 10th.**—No change of importance occurred in the general distribution of pressure during day, but a large depression extended more over Iceland. Rain fell in most parts of the United Kingdom, in Brittany and the south-east of France, as well as at Corunna and Nemours, while there was some snow in the far north of Europe. In the south of Ireland the measurement was about 1·2in. Temperature touched or exceeded 283°A in many parts of these Islands, and rose to between 286°A and 289°A over a large area in France, the Netherlands, and Italy. At many stations in the Spanish Peninsula and over the Mediterranean it exceeded 289°A, reaching 292°A at Palma and Algiers, and 293°A at Cape de Garde. Over Austria-Hungary the maxima were above 278°A, but sharp frost was general at night; at Buda-Pesth the minimum was 266°A, and at Hermanstadt 258°A.



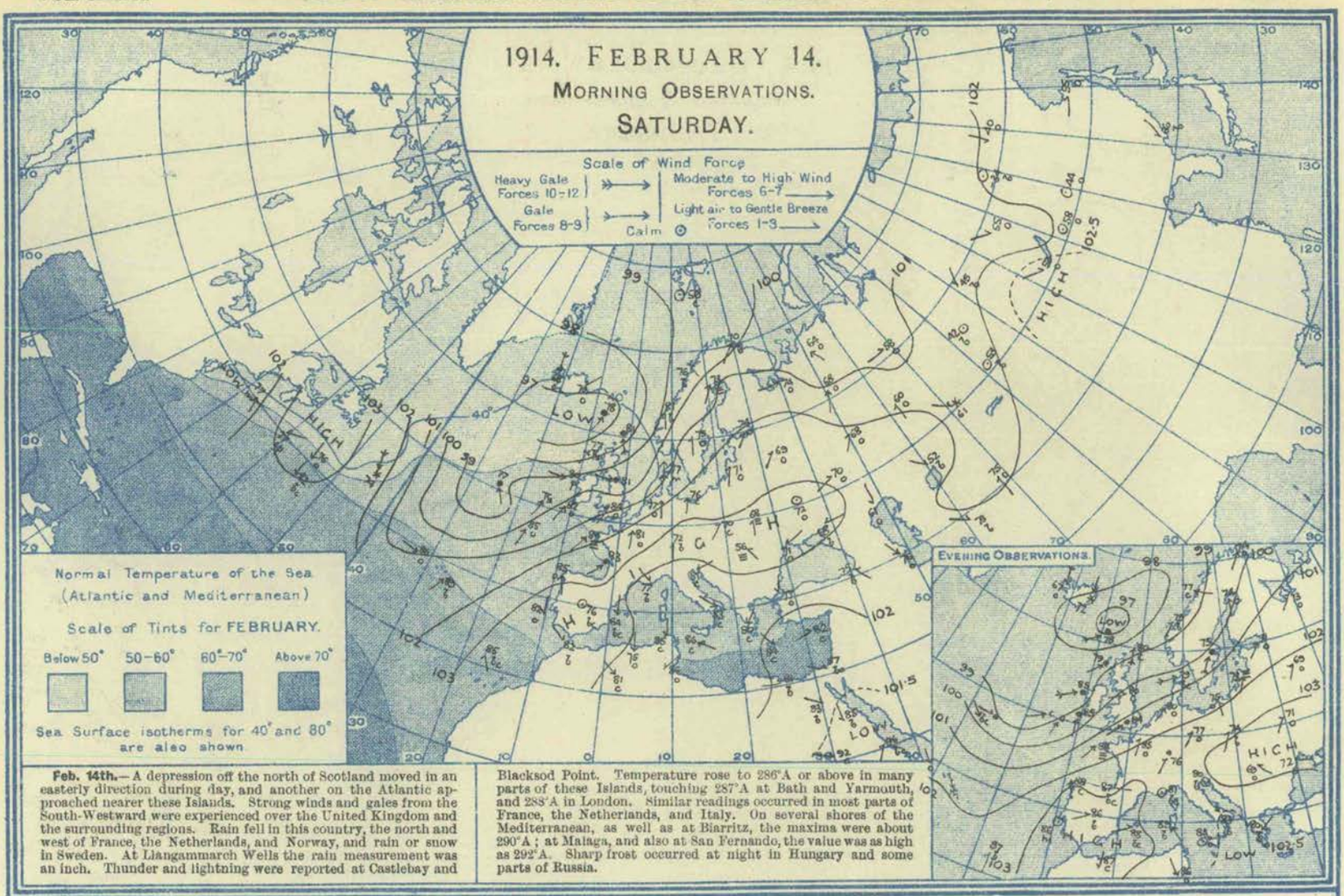

**Feb. 11th.**—A secondary depression approached Ireland by the evening, and the gradient and wind over the United Kingdom became more Southerly. On many parts of the northern, western, and southern coasts gales were experienced. Rain fell very generally in these Islands, France, the Spanish Peninsula, and the Netherlands, as well as at Rome and Florence, the largest measurements being 1·1in. at Nice and Oporto. Maximum temperature readings above 283°A were common in England and the adjacent parts of the Continent; at Malvern the figure was 287°A. In the more southern districts of France the readings exceeded 288°A, that at Perpignan being as high as 292°A. Over parts of the Spanish Peninsula the figure was above 289°A, and on the coast of Algeria as high as 293°A at Cape de Garde. At Prague the frost held all day, but in Central Europe generally the thermometer rose many degrees above 273°A.




**Feb. 12th.**—The centre of a rather deep depression advanced from the westward to the Irish Sea during day, causing gales on many parts of our coasts and a very general fall of rain. At Llangammarch Wells the measurement was 1·3in., and at Eskdalemuir 0·8in. Thunderstorms occurred in some parts of Wales and the south-west of England. Temperature rose to about 283°A over a large portion of England, but remained below 280°A in some parts of Ireland and Scotland. A considerable quantity of rain fell over a large area in France, the Peninsula, Italy and Algeria; 0·8in. at Monaco and 0·9in. at Rome. At several stations in the far south the thermometer rose to 289°A or above. At Bilbao and some Algerian stations the value was 292°A, and at Malaga 293°A. At Prague and Vienna frost continued throughout, and was rather severe at night.

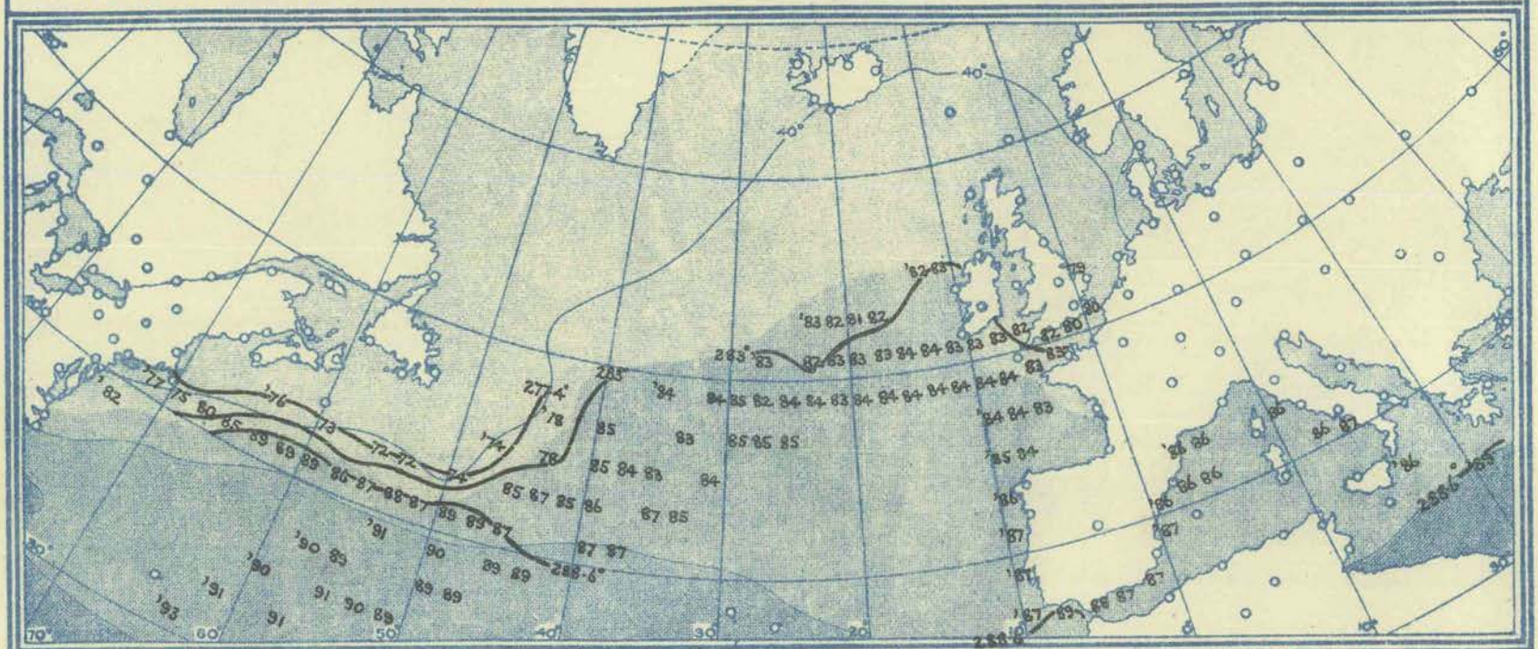



**Feb. 13th.**—Little change occurred in the general distribution of pressure during day, but the gradient increased over these Islands and their neighbourhood, and the wind rose to a gale from South or South-West by the evening or night on many parts of the coast. Rain fell very generally in the United Kingdom, and thunder and lightning occurred in some places in the north of Scotland. A moderate to large amount of rain was experienced in most parts of France, Algeria, Italy, and the Netherlands, 1·3in. at Cherbourg, 1·4in. at Naples, and 1·0in. at Turin. Temperature rose above 283°A over the greater part of England, in some Irish and Scottish localities, and over a wide area in France, and touched or exceeded 289°A at several stations in the Mediterranean. Frost continued through the day in Hungary and Bohemia, but at Vienna the thermometer reached 278°A, and in most parts of Germany it rose to a somewhat higher level.




**Feb. 14th.**—A depression off the north of Scotland moved in an easterly direction during day, and another on the Atlantic approached nearer these Islands. Strong winds and gales from the South-Westward were experienced over the United Kingdom and the surrounding regions. Rain fell in this country, the north and west of France, the Netherlands, and Norway, and rain or snow in Sweden. At Llangammarch Wells the rain measurement was an inch. Thunder and lightning were reported at Castlebay and Blacksod Point. Temperature rose to 286°A or above in many parts of these Islands, touching 287°A at Bath and Yarmouth, and 288°A in London. Similar readings occurred in most parts of France, the Netherlands, and Italy. On several shores of the Mediterranean, as well as at Biarritz, the maxima were about 290°A; at Malaga, and also at San Fernando, the value was as high as 292°A. Sharp frost occurred at night in Hungary and some parts of Russia.

## *SURFACE TEMPERATURE of the SEA during the week ended Saturday, 14TH. FEBRUARY, 1914.*



**Explanation of Charts.**—The height of the barometer is expressed by isobars, which are drawn for intervals of one centibar, the equivalent on the absolute scale of pressure units of 0·295 mercury inches. 1 centibar = 10 millibars. 100 centibars = 29·53 mercury inches = 750·0 mercury millimetres. The winds are shown by arrows which are drawn flying with the wind. Temperatures are given in degrees Absolute, freezing point = 273°, the initial 2 being omitted.

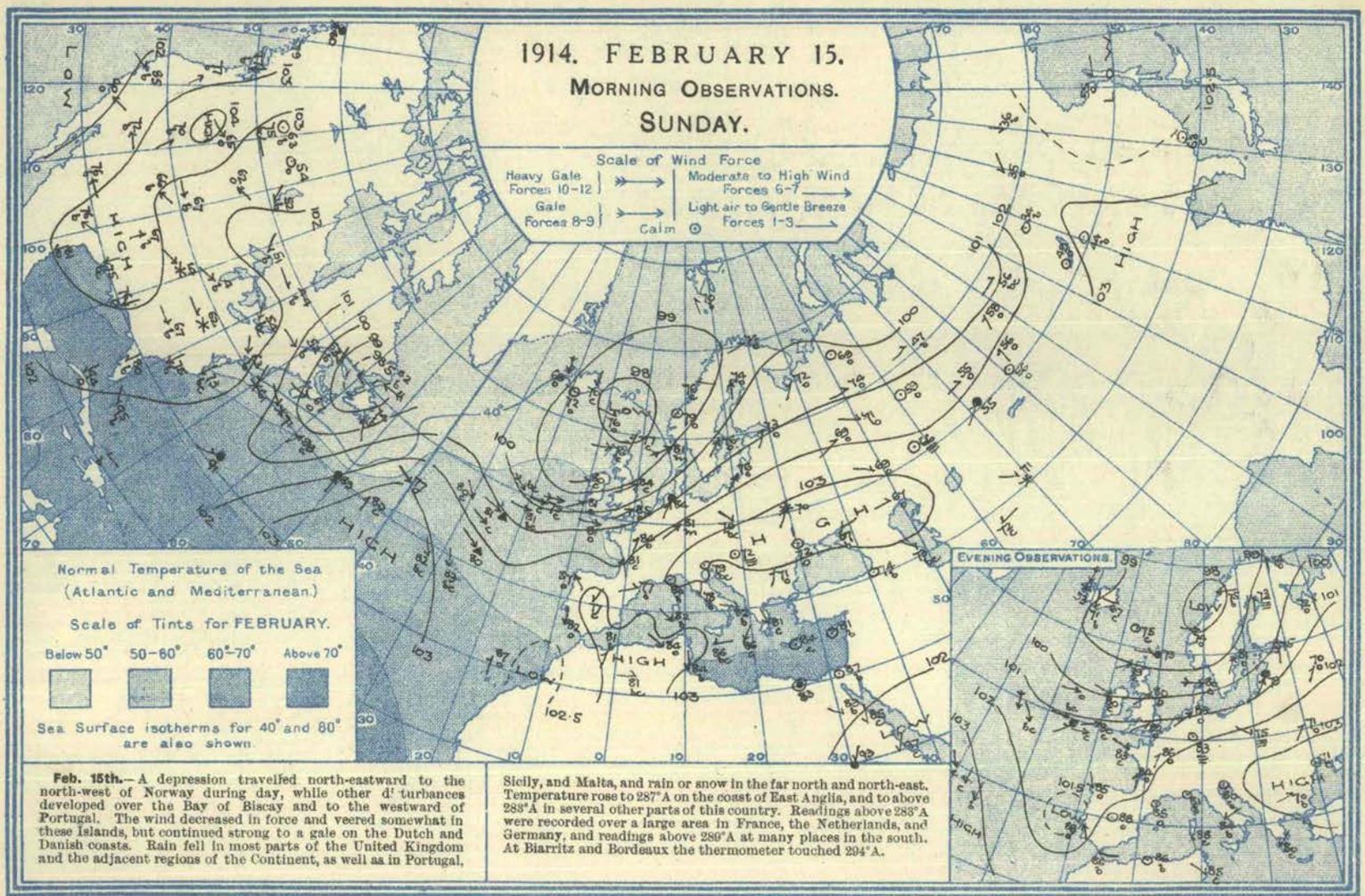
The charts are prepared from observations made at 7 a.m. in the British Islands, France, Italy, Belgium, Holland, Germany, Denmark, Norway, Sweden, Iceland, Spitzbergen, Madeira, and Algeria; at 6.30 a.m. in Switzerland; at 6 a.m. in Egypt; at 5.25 a.m. in Greece; at 8.37 a.m. in Portugal; and at 8 a.m. in Spain and in the Azores. These times refer to Greenwich Mean Time.

Observations in Austria-Hungary and the Russian Empire, including Siberia, are taken at 7 a.m. local time.

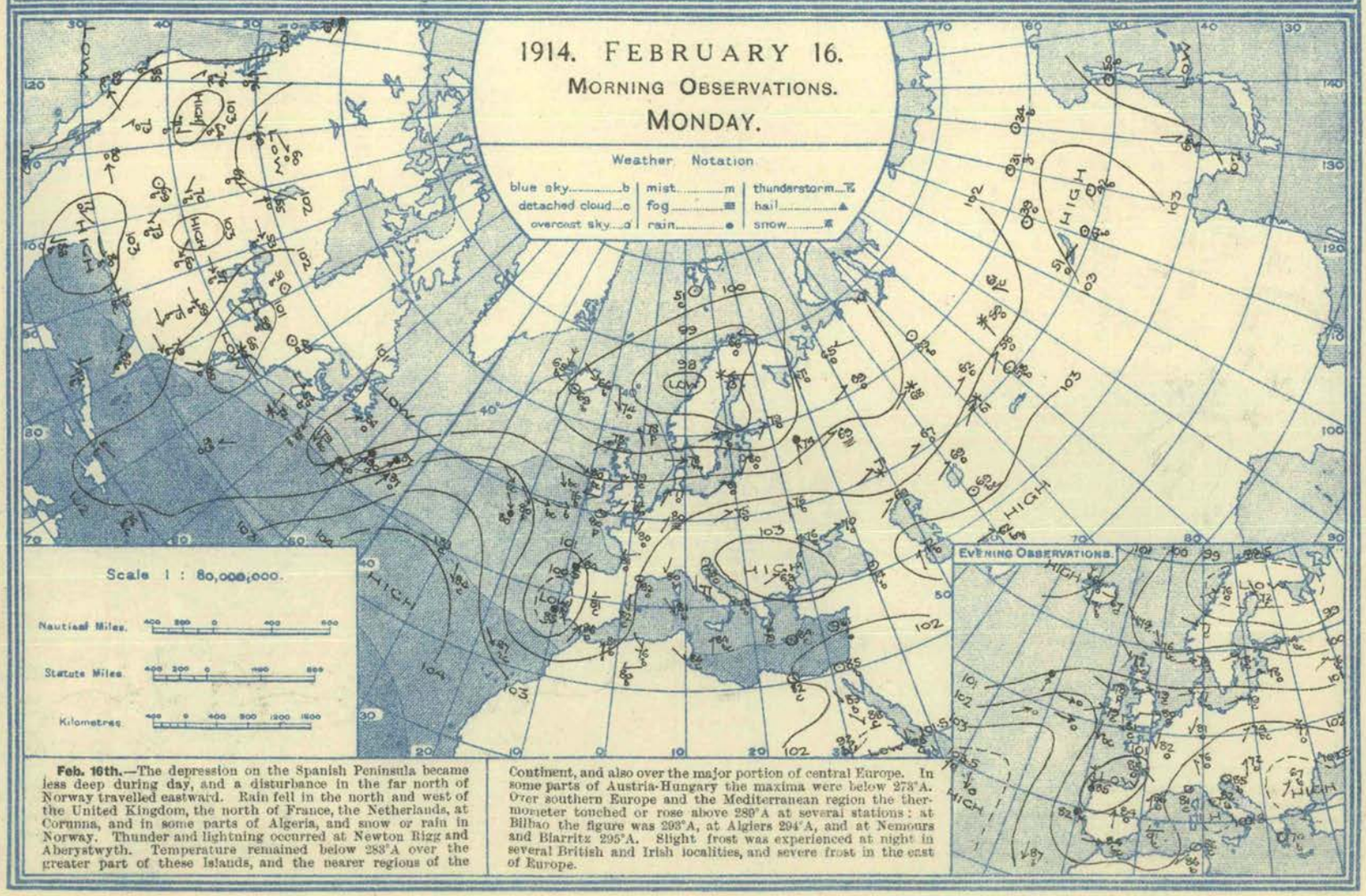
On the American Continent and at Bermuda the observations are taken at 8 a.m., mean time of Longitude 75° W., *i.e.*, 1 p.m. G.M.T. "Wireless" observations from the Atlantic Ocean are taken at 7 a.m. G.M.T., others at 8 a.m. local time.

The evening charts are prepared from observations made at 6 p.m. in the British Islands, France, Germany, Holland, Denmark and Norway; at 4 p.m. in Spain; at 5 p.m. in Iceland; at 6.25 p.m. in Greece; at 8 p.m. in Belgium, Sweden, Switzerland, Italy; and at 9.37 p.m. in Portugal and 9 p.m. in the Azores. In Austria-Hungary and the Russian Empire (including Siberia) they are taken at 9 p.m. local time.

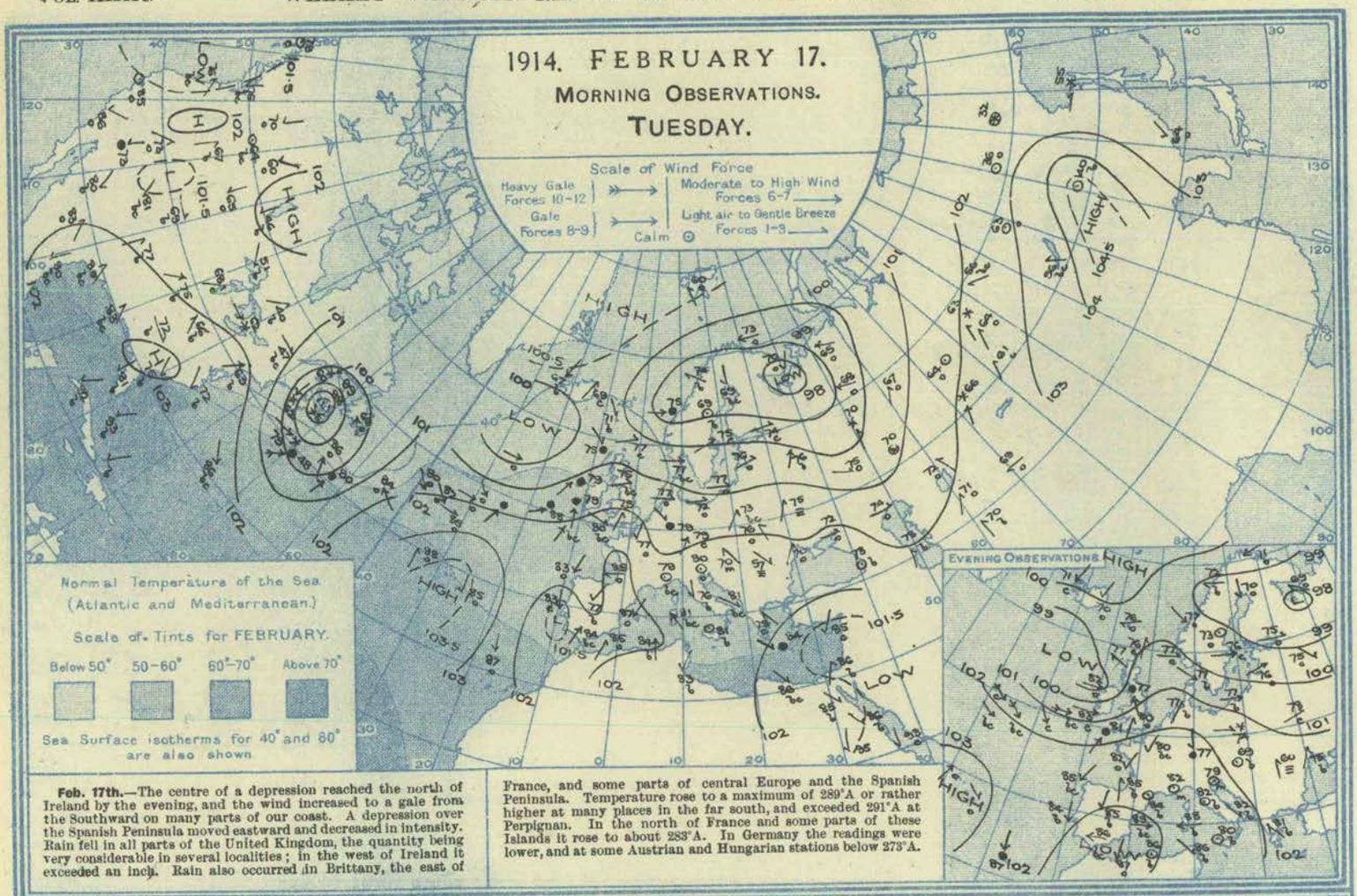
**Temperature of the Sea.**—The surface temperature of the sea in degrees Absolute, observed during the week to which the report refers, is shown in black on the last chart. The values given are the means of all readings for the week received up to the date of going to press for each two-degree square. The normal temperature for the month is indicated in degrees Fahrenheit by the intensity of the blue shading and the scale shown in an inset. The isotherms for 40° and 80° F. are shown by blue lines.



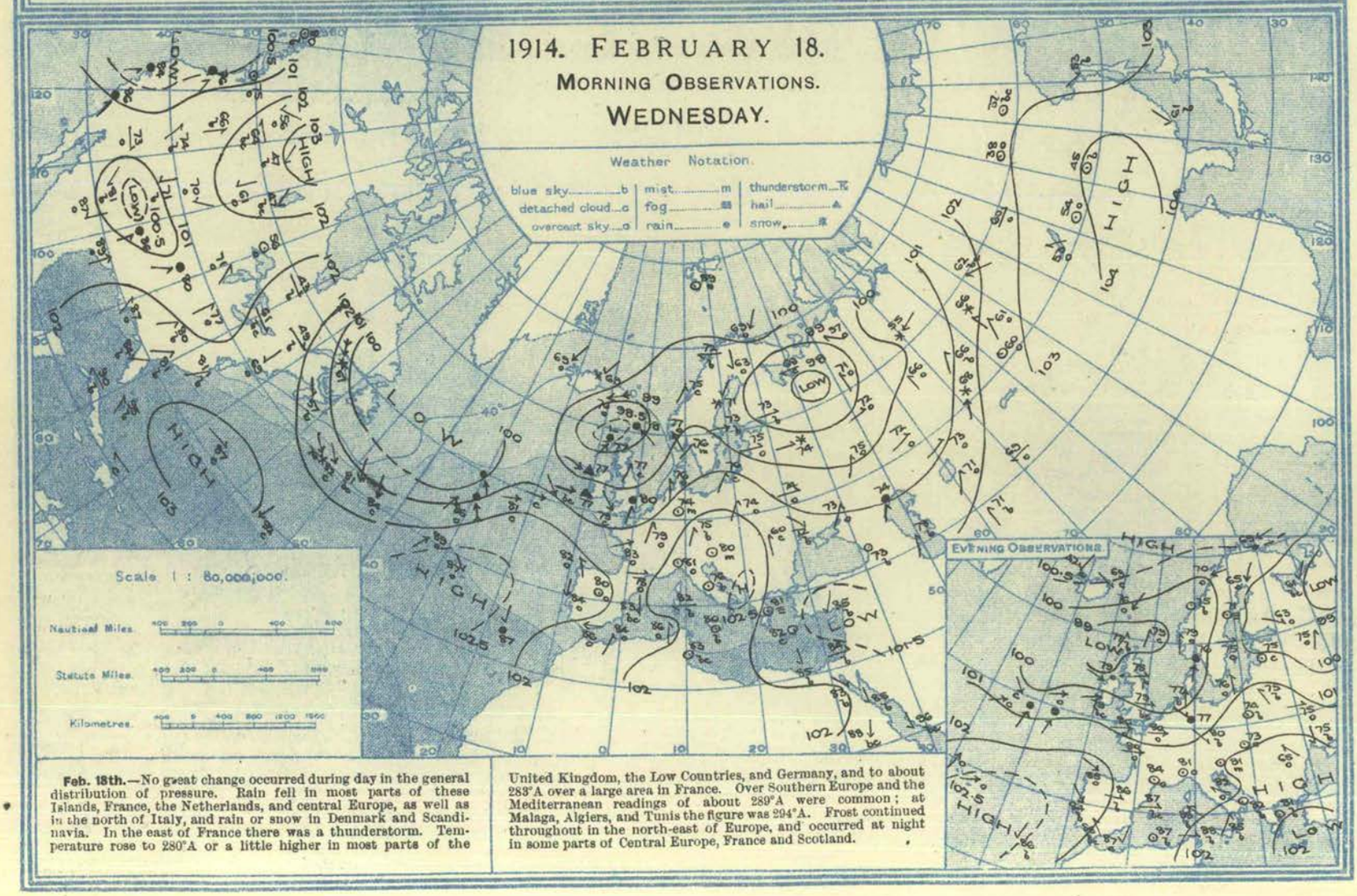

**Feb. 15th.**—A depression travelled north-eastward to the north-west of Norway during day, while other disturbances developed over the Bay of Biscay and to the westward of Portugal. The wind decreased in force and veered somewhat in these Islands, but continued strong to a gale on the Dutch and Danish coasts. Rain fell in most parts of the United Kingdom and the adjacent regions of the Continent, as well as in Portugal, Sicily, and Malta, and rain or snow in the far north and north-east. Temperature rose to 287°A on the coast of East Anglia, and to above 288°A in several other parts of this country. Readings above 288°A were recorded over a large area in France, the Netherlands, and Germany, and readings above 289°A at many places in the south. At Biarritz and Bordeaux the thermometer touched 294°A.



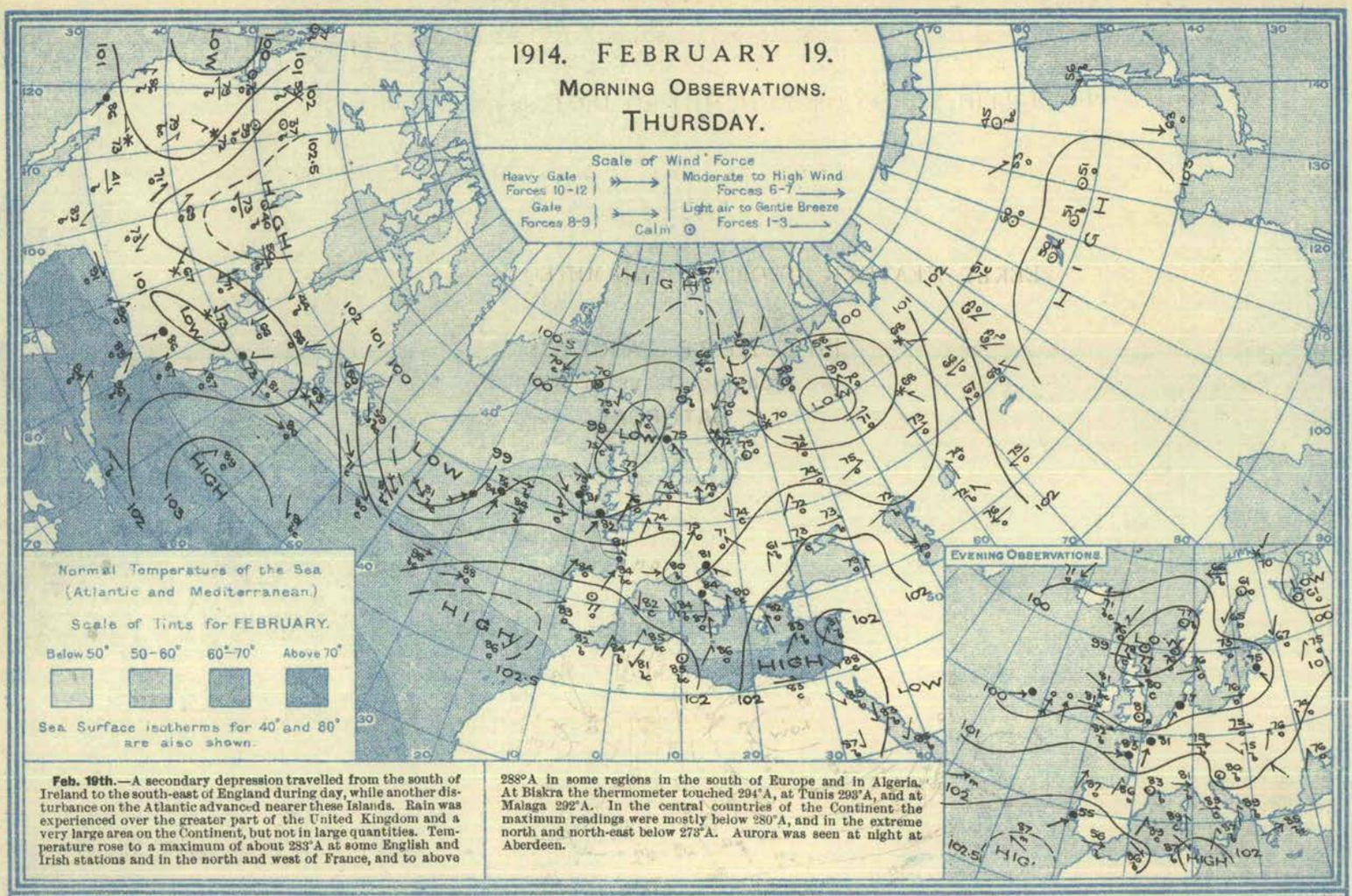

**Feb. 16th.**—The depression on the Spanish Peninsula became less deep during day, and a disturbance in the far north of Norway travelled eastward. Rain fell in the north and west of the United Kingdom, the north of France, the Netherlands, at Corunna, and in some parts of Algeria, and snow or rain in Norway. Thunder and lightning occurred at Newton Rigg and Aberystwyth. Temperature remained below 283°A over the greater part of these Islands, and the nearer regions of the Continent, and also over the major portion of central Europe. In some parts of Austria-Hungary the maxima were below 273°A. Over southern Europe and the Mediterranean region the thermometer touched or rose above 289°A at several stations: at Bilbao the figure was 293°A, at Algiers 294°A, and at Nemours and Biarritz 295°A. Slight frost was experienced at night in several British and Irish localities, and severe frost in the east of Europe.



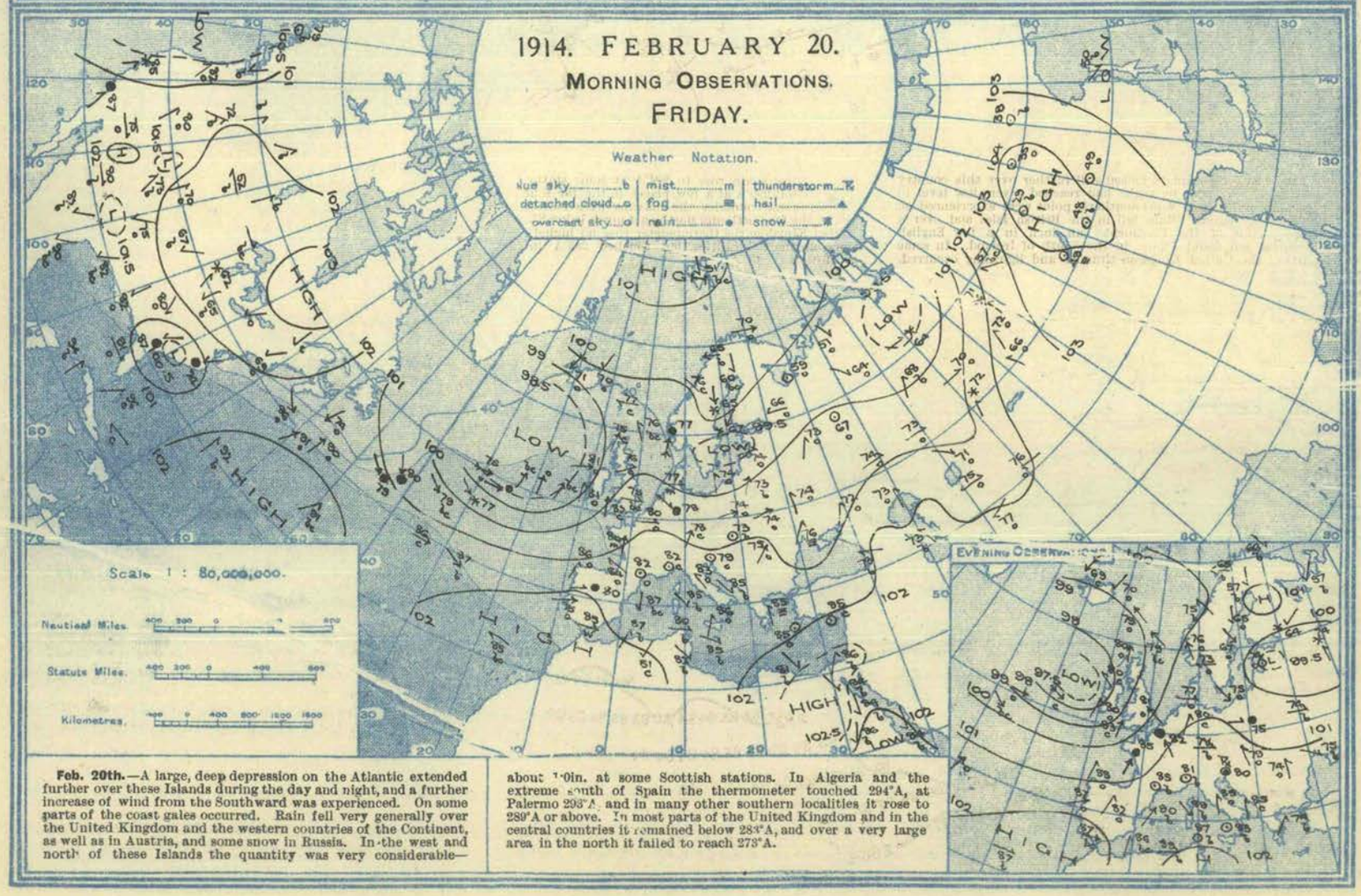

**Feb. 17th.**—The centre of a depression reached the north of Ireland by the evening, and the wind increased to a gale from the Southward on many parts of our coast. A depression over the Spanish Peninsula moved eastward and decreased in intensity. Rain fell in all parts of the United Kingdom, the quantity being very considerable in several localities; in the west of Ireland it exceeded an inch. Rain also occurred in Brittany, the east of France, and some parts of central Europe and the Spanish Peninsula. Temperature rose to a maximum of 289°A or rather higher at many places in the far south, and exceeded 291°A at Perpignan. In the north of France and some parts of these Islands it rose to about 283°A. In Germany the readings were lower, and at some Austrian and Hungarian stations below 273°A.



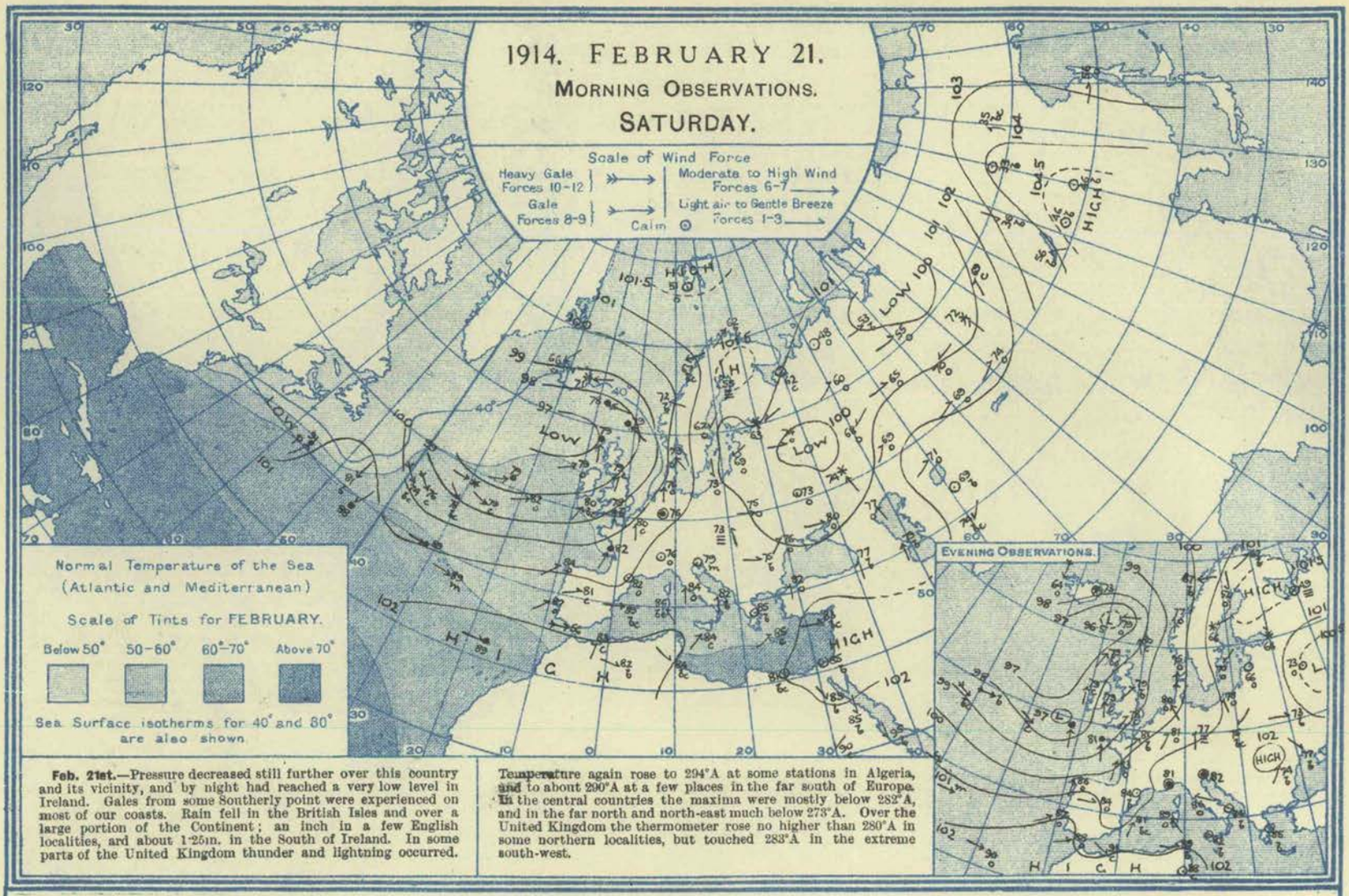

**Feb. 18th.**—No great change occurred during day in the general distribution of pressure. Rain fell in most parts of these Islands, France, the Netherlands, and central Europe, as well as in the north of Italy, and rain or snow in Denmark and Scandinavia. In the east of France there was a thunderstorm. Temperature rose to 280°A or a little higher in most parts of the United Kingdom, the Low Countries, and Germany, and to about 283°A over a large area in France. Over Southern Europe and the Mediterranean readings of about 289°A were common; at Malaga, Algiers, and Tunis the figure was 294°A. Frost continued throughout in the north-east of Europe, and occurred at night in some parts of Central Europe, France and Scotland.




**Feb. 19th.**—A secondary depression travelled from the south of Ireland to the south-east of England during day, while another disturbance on the Atlantic advanced nearer these Islands. Rain was experienced over the greater part of the United Kingdom and a very large area on the Continent, but not in large quantities. Temperature rose to a maximum of about 283°A at some English and Irish stations and in the north and west of France, and to above 288°A in some regions in the south of Europe and in Algeria. At Biskra the thermometer touched 294°A, at Tunis 293°A, and at Malaga 292°A. In the central countries of the Continent the maximum readings were mostly below 280°A, and in the extreme north and north-east below 273°A. Aurora was seen at night at Aberdeen.



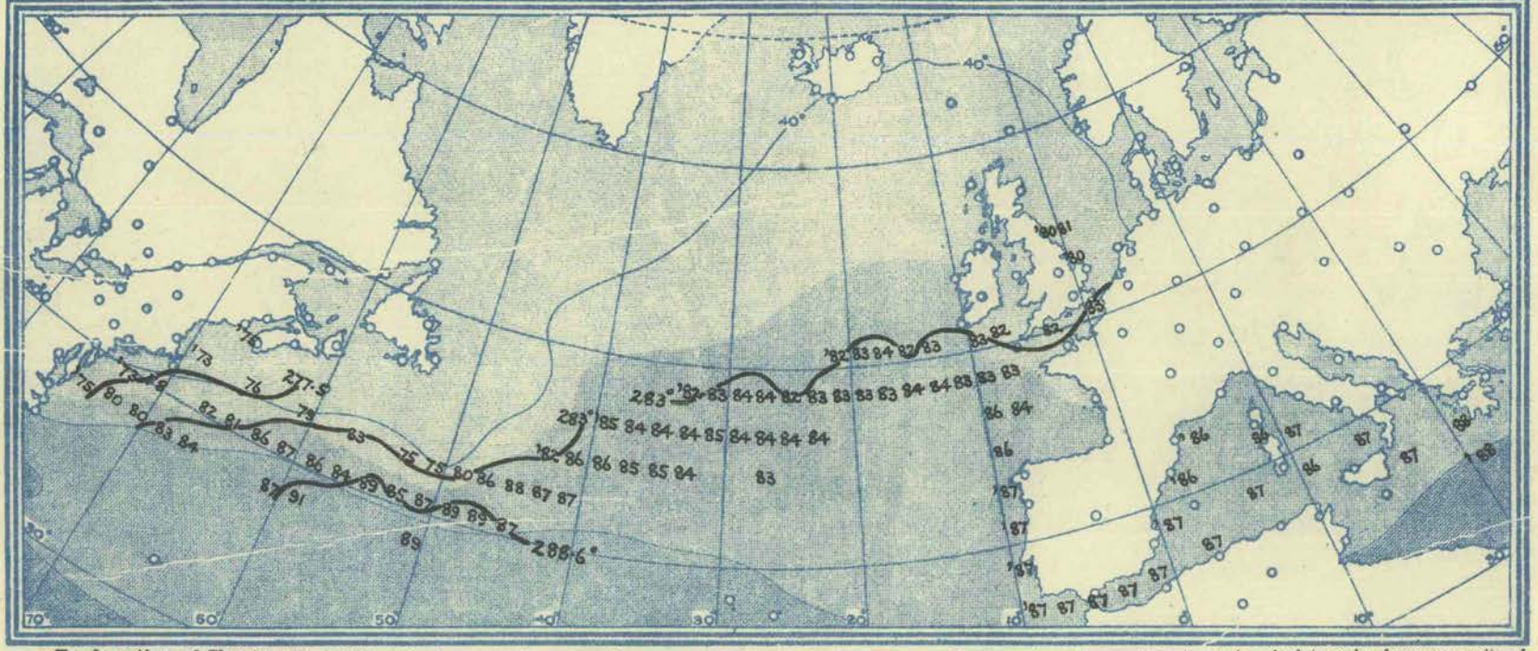

**Feb. 20th.**—A large, deep depression on the Atlantic extended further over these Islands during the day and night, and a further increase of wind from the Southward was experienced. On some parts of the coast gales occurred. Rain fell very generally over the United Kingdom and the western countries of the Continent, as well as in Austria, and some snow in Russia. In the west and north of these Islands the quantity was very considerable—about 1·0in. at some Scottish stations. In Algeria and the extreme south of Spain the thermometer touched 294°A, at Palermo 293°A, and in many other southern localities it rose to 289°A or above. In most parts of the United Kingdom and in the central countries it remained below 283°A, and over a very large area in the north it failed to reach 273°A.




**Feb. 21st.**—Pressure decreased still further over this country and its vicinity, and by night had reached a very low level in Ireland. Gales from some Southerly point were experienced on most of our coasts. Rain fell in the British Isles and over a large portion of the Continent; an inch in a few English localities, and about 1·25in. in the South of Ireland. In some parts of the United Kingdom thunder and lightning occurred.

Temperature again rose to 294°A at some stations in Algeria, and to about 290°A at a few places in the far south of Europe. In the central countries the maxima were mostly below 282°A, and in the far north and north-east much below 273°A. Over the United Kingdom the thermometer rose no higher than 280°A in some northern localities, but touched 283°A in the extreme south-west.

## SURFACE TEMPERATURE of the SEA during the week ended Saturday, 21st FEBRUARY, 1914.



**Explanation of Charts.**—The height of the barometer is expressed by isobars, which are drawn for intervals of one centibar, the equivalent on the absolute scale of pressure units of 0·295 mercury inches. 1 centibar = 10 millibars. 100 centibars = 29·53 mercury inches = 750·0 mercury millimetres. The winds are shown by arrows which are drawn flying with the wind. Temperatures are given in degrees Absolute, freezing point = 273°, the initial 2 being omitted.

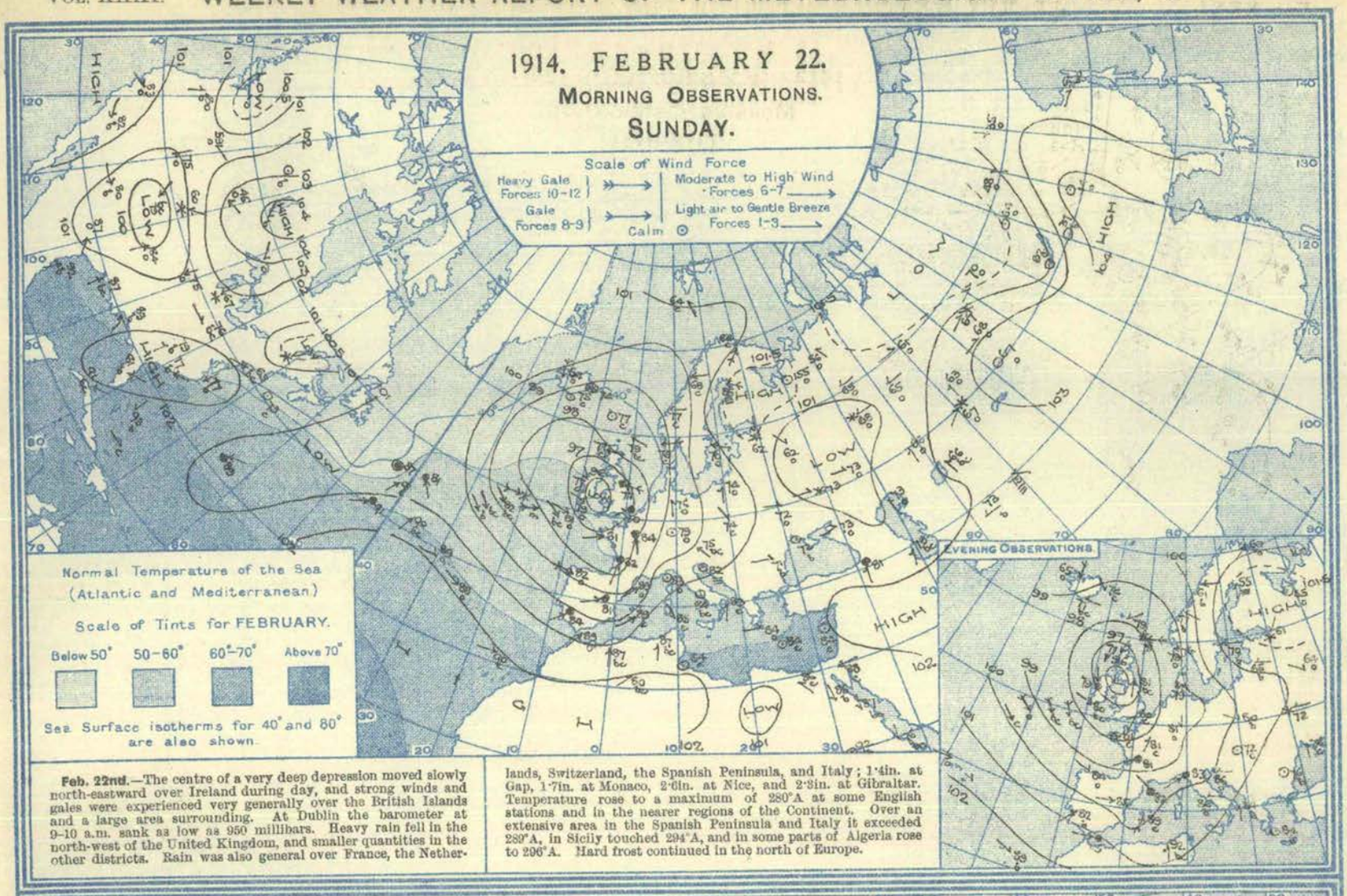
The charts are prepared from observations made at 7 a.m. in the British Islands, France, Italy, Belgium, Holland, Germany, Denmark, Norway, Sweden, Iceland, Spitzbergen, Madeira, and Algeria; at 6.30 a.m. in Switzerland; at 6 a.m. in Egypt; at 5.25 a.m. in Greece; at 8.37 a.m. in Portugal; and at 8 a.m. in Spain and in the Azores. These times refer to Greenwich Mean Time.

Observations in Austria-Hungary and the Russian Empire, including Siberia, are taken at 7 a.m. local time.

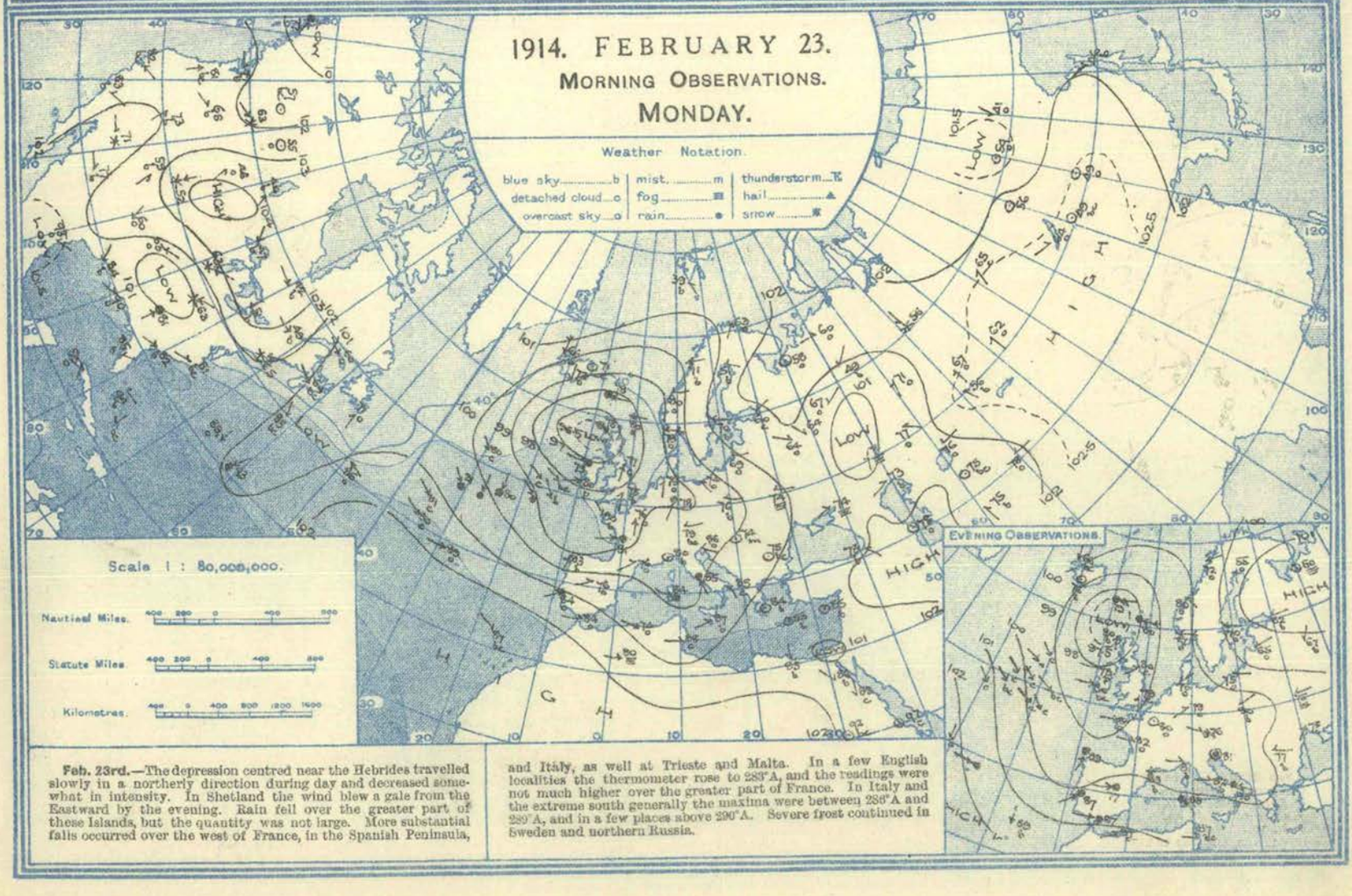
On the American Continent and at Bermuda the observations are taken at 8 a.m., mean time of Longitude 75° W., i.e., 1 p.m. G.M.T. "Wireless" observations from the Atlantic Ocean are taken at 7 a.m. G.M.T., others at 8 a.m. local time.

The evening charts are prepared from observations made at 6 p.m. in the British Islands, France, Germany, Holland, Denmark and Norway; at 4 p.m. in Spain; at 5 p.m. in Iceland; at 6.25 p.m. in Greece; at 8 p.m. in Belgium, Sweden, Switzerland, Italy; and at 9.37 p.m. in Portugal and 9 p.m. in the Azores. In Austria-Hungary and the Russian Empire (including Siberia) they are taken at 9 p.m. local time.

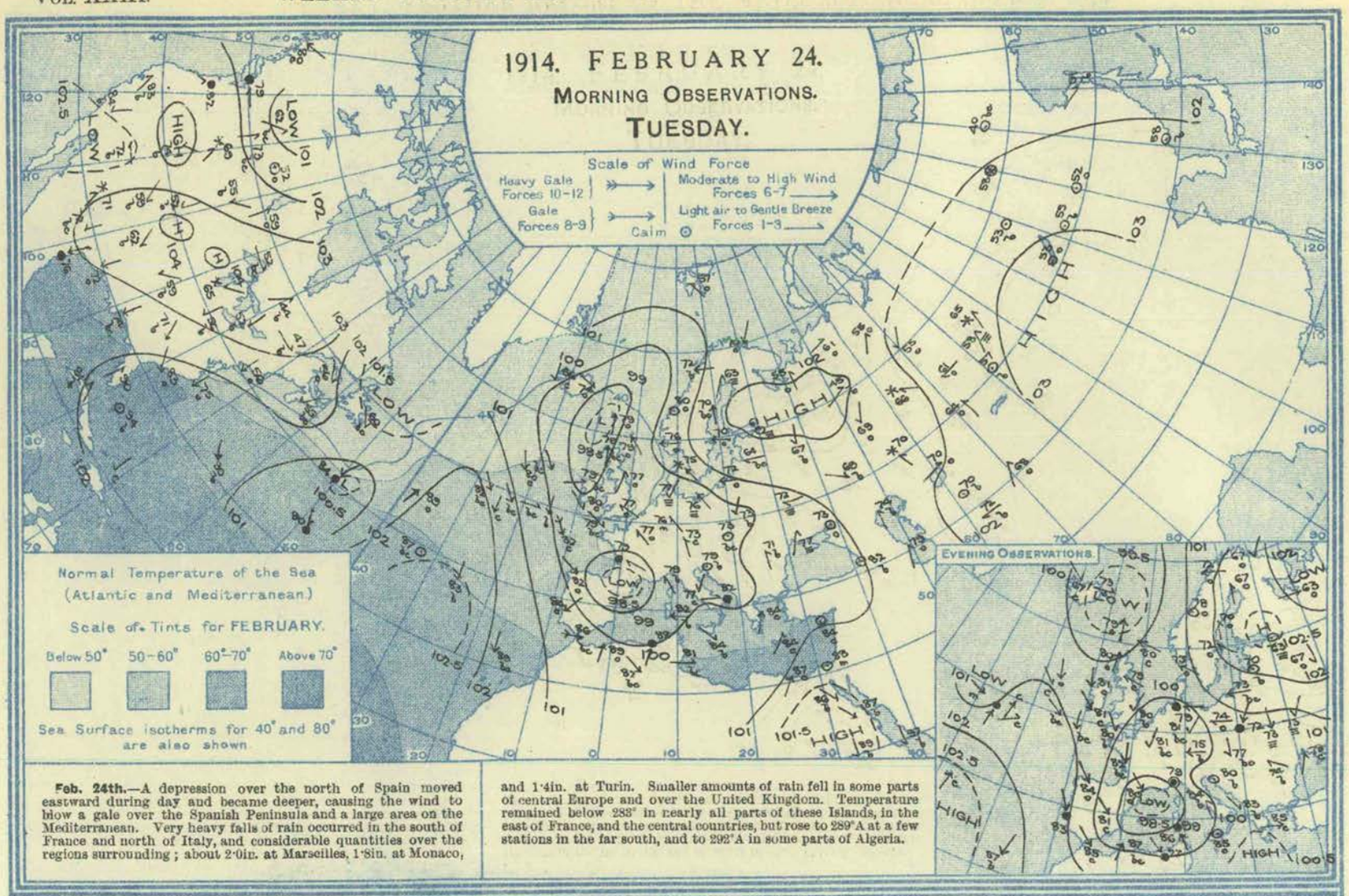
**Temperature of the Sea.**—The surface temperature of the sea in degrees Absolute, observed during the week to which the report refers, is shown in black on the last chart. The values given are the means of all readings for the week received up to the date of going to press for each two-degree square. The normal temperature for the month is indicated in degrees Fahrenheit by the intensity of the blue shading and the scale shown in an inset. The isotherms for 40° and 80° F. are shown by blue lines.



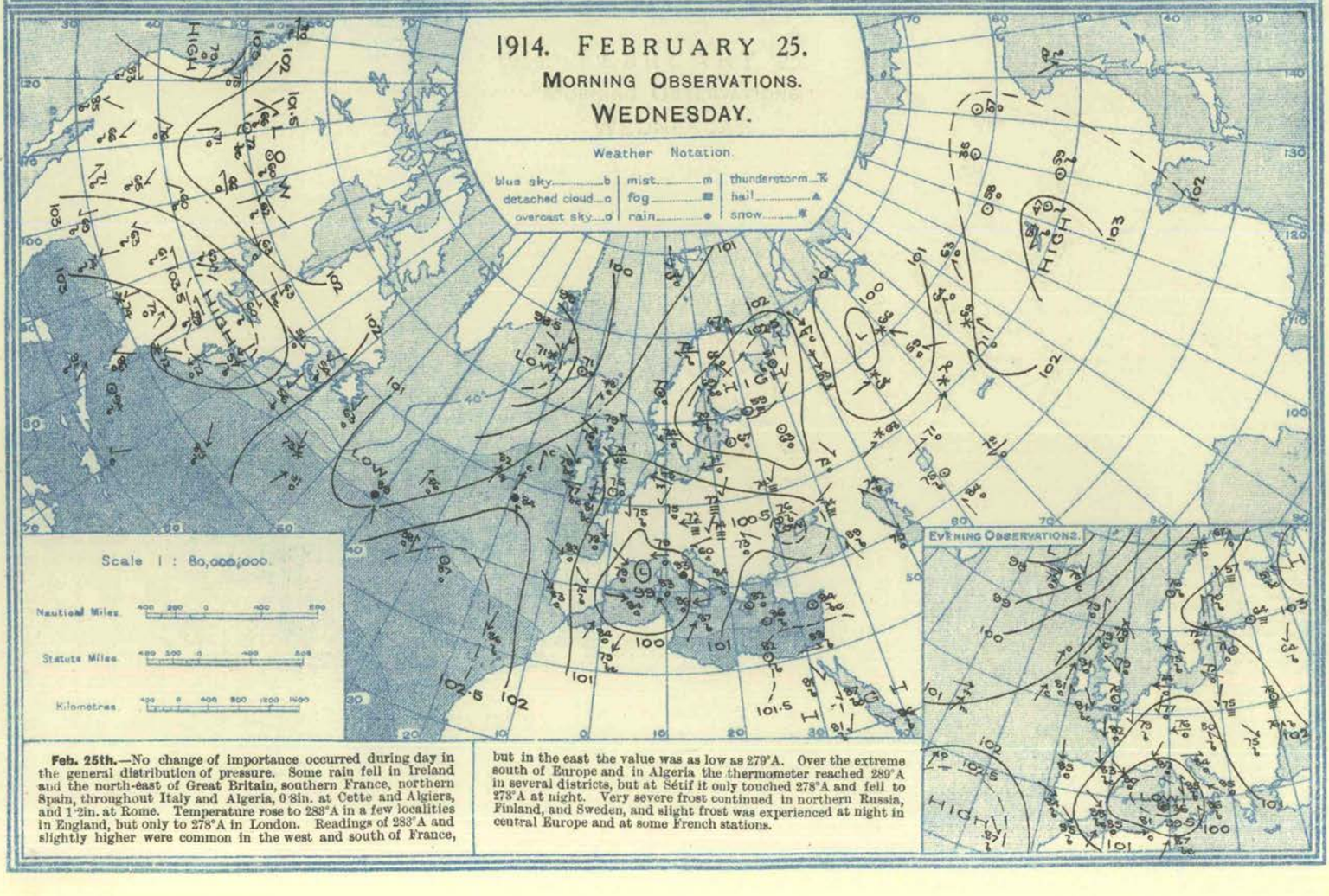

**Feb. 22nd.**—The centre of a very deep depression moved slowly north-eastward over Ireland during day, and strong winds and gales were experienced very generally over the British Islands and a large area surrounding. At Dublin the barometer at 9-10 a.m. sank as low as 950 millibars. Heavy rain fell in the north-west of the United Kingdom, and smaller quantities in the other districts. Rain was also general over France, the Netherlands, Switzerland, the Spanish Peninsula, and Italy; 1·4in. at Gap, 1·7in. at Monaco, 2·6in. at Nice, and 2·3in. at Gibraltar. Temperature rose to a maximum of 280°A at some English stations and in the nearer regions of the Continent. Over an extensive area in the Spanish Peninsula and Italy it exceeded 280°A, in Sicily touched 294°A, and in some parts of Algeria rose to 296°A. Hard frost continued in the north of Europe.



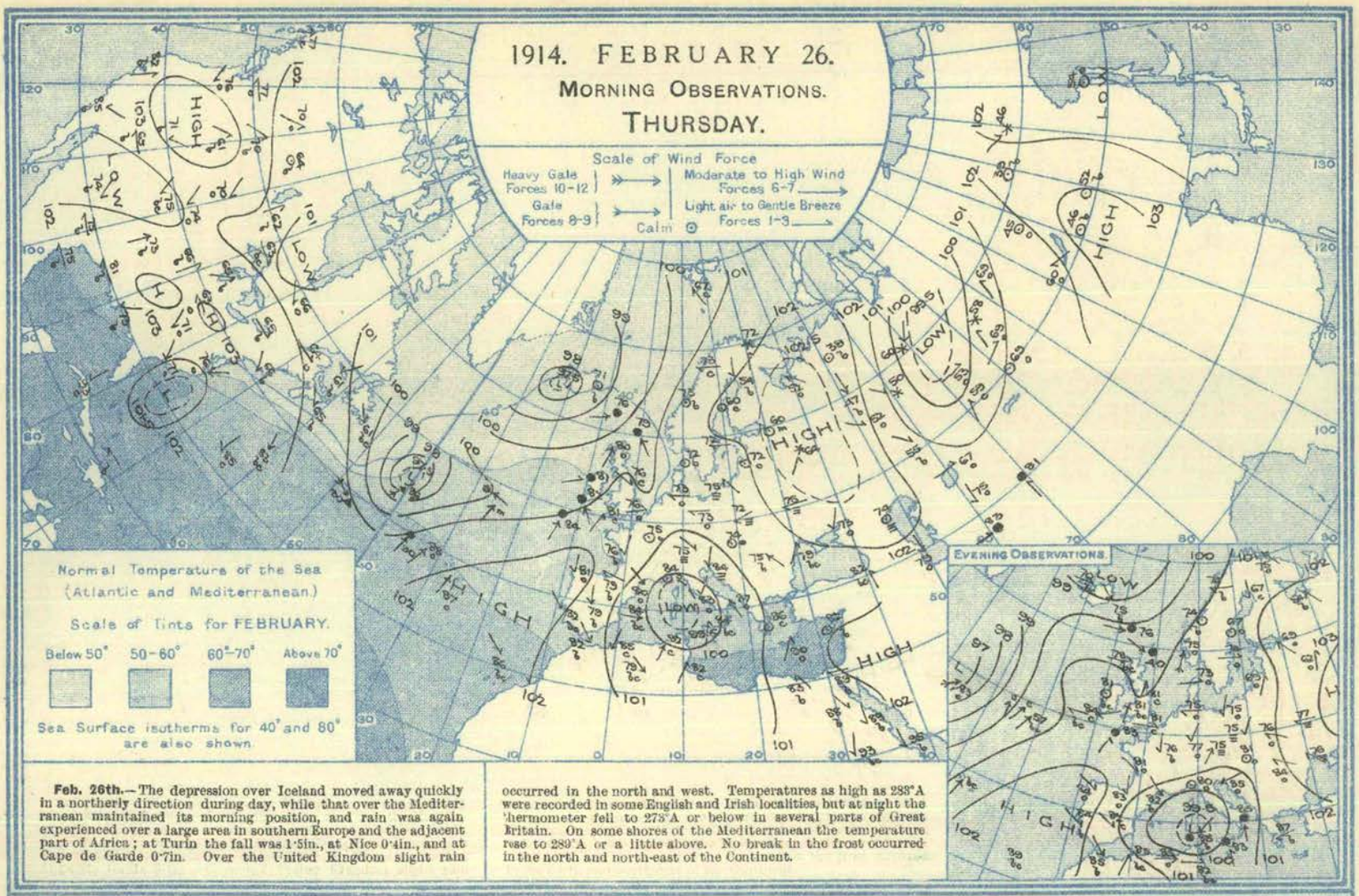

**Feb. 23rd.**—The depression centred near the Hebrides travelled slowly in a northerly direction during day and decreased somewhat in intensity. In Shetland the wind blew a gale from the Eastward by the evening. Rain fell over the greater part of these Islands, but the quantity was not large. More substantial falls occurred over the west of France, in the Spanish Peninsula, and Italy, as well at Trieste and Malta. In a few English localities the thermometer rose to 283°A, and the readings were not much higher over the greater part of France. In Italy and the extreme south generally the maxima were between 286°A and 289°A, and in a few places above 290°A. Severe frost continued in Sweden and northern Russia.



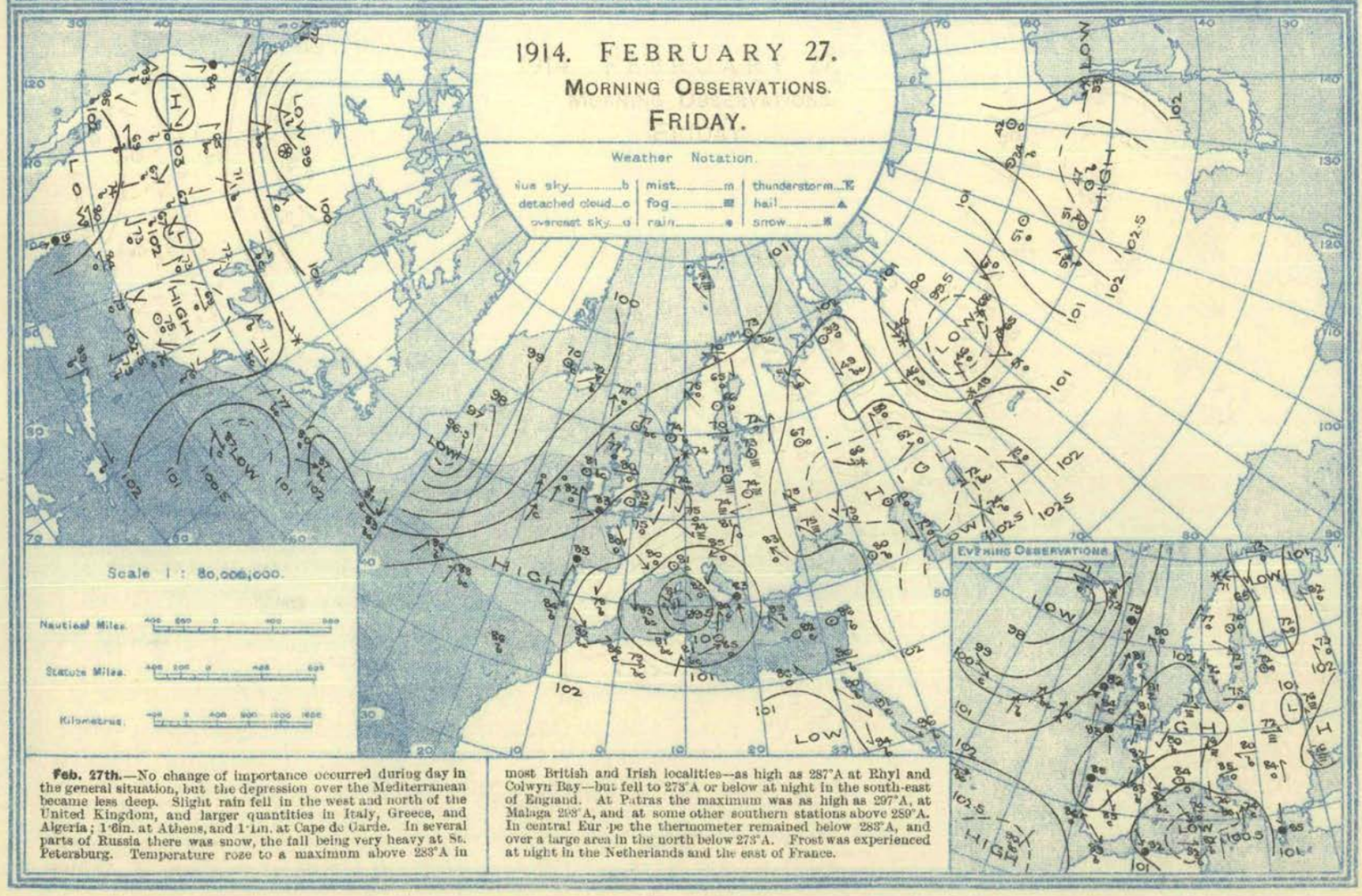

**Feb. 24th.**—A depression over the north of Spain moved eastward during day and became deeper, causing the wind to blow a gale over the Spanish Peninsula and a large area on the Mediterranean. Very heavy falls of rain occurred in the south of France and north of Italy, and considerable quantities over the regions surrounding; about 2·0in. at Marseilles, 1·8in. at Monaco, and 1·4in. at Turin. Smaller amounts of rain fell in some parts of central Europe and over the United Kingdom. Temperature remained below 283° in nearly all parts of these Islands, in the east of France, and the central countries, but rose to 289°A at a few stations in the far south, and to 292°A in some parts of Algeria.



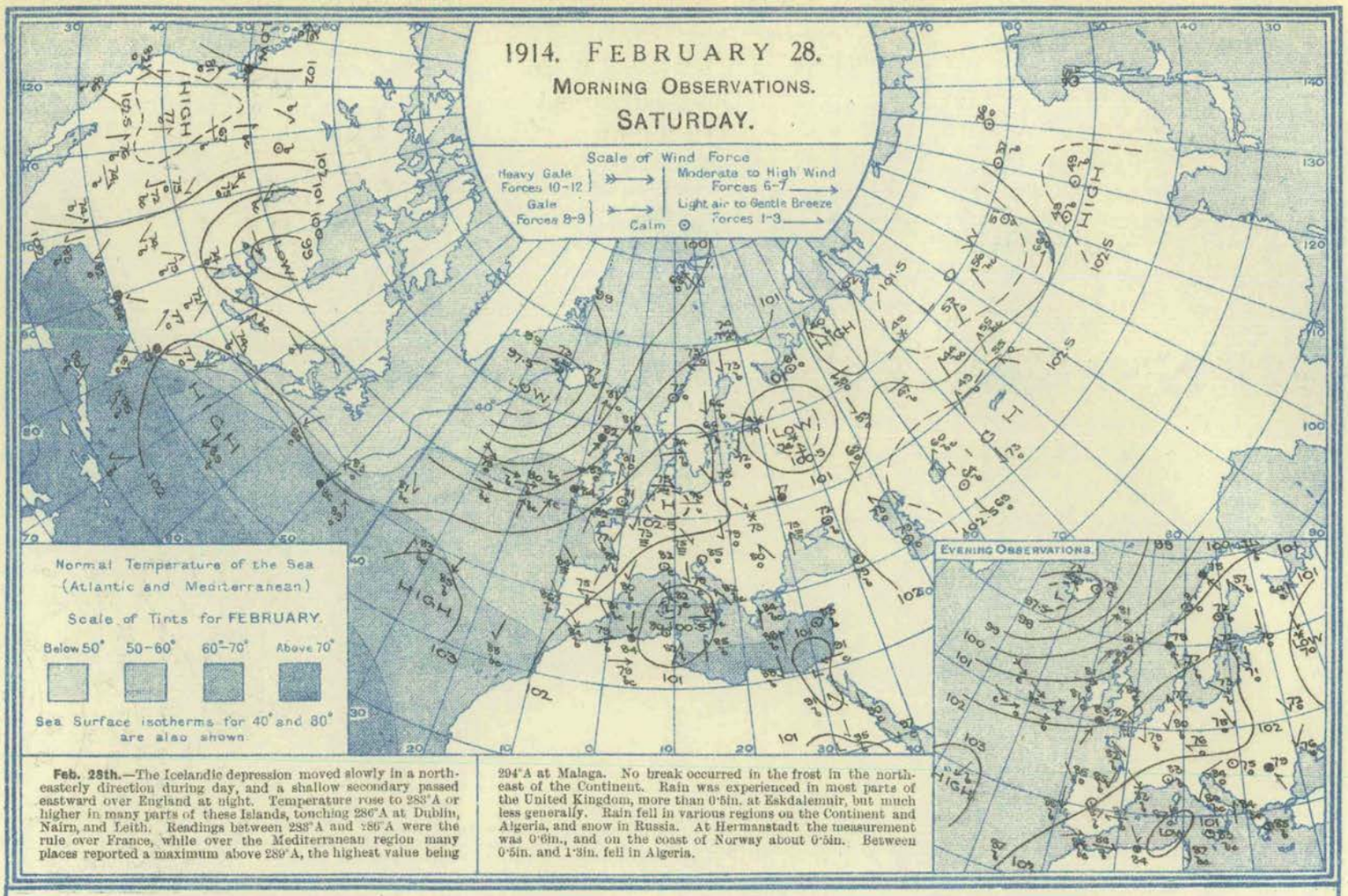

**Feb. 25th.**—No change of importance occurred during day in the general distribution of pressure. Some rain fell in Ireland and the north-east of Great Britain, southern France, northern Spain, throughout Italy and Algeria, 0·8in. at Cette and Algiers, and 1·2in. at Rome. Temperature rose to 283°A in a few localities in England, but only to 278°A in London. Readings of 283°A and slightly higher were common in the west and south of France, but in the east the value was as low as 279°A. Over the extreme south of Europe and in Algeria the thermometer reached 289°A in several districts, but at Sétif it only touched 278°A and fell to 273°A at night. Very severe frost continued in northern Russia, Finland, and Sweden, and slight frost was experienced at night in central Europe and at some French stations.




**Feb. 26th.**—The depression over Iceland moved away quickly in a northerly direction during day, while that over the Mediterranean maintained its morning position, and rain was again experienced over a large area in southern Europe and the adjacent part of Africa; at Turin the fall was 1·5in., at Nice 0·4in., and at Cape de Garde 0·7in. Over the United Kingdom slight rain occurred in the north and west. Temperatures as high as 283°A were recorded in some English and Irish localities, but at night the thermometer fell to 275°A or below in several parts of Great Britain. On some shores of the Mediterranean the temperature rose to 289°A or a little above. No break in the frost occurred in the north and north-east of the Continent.

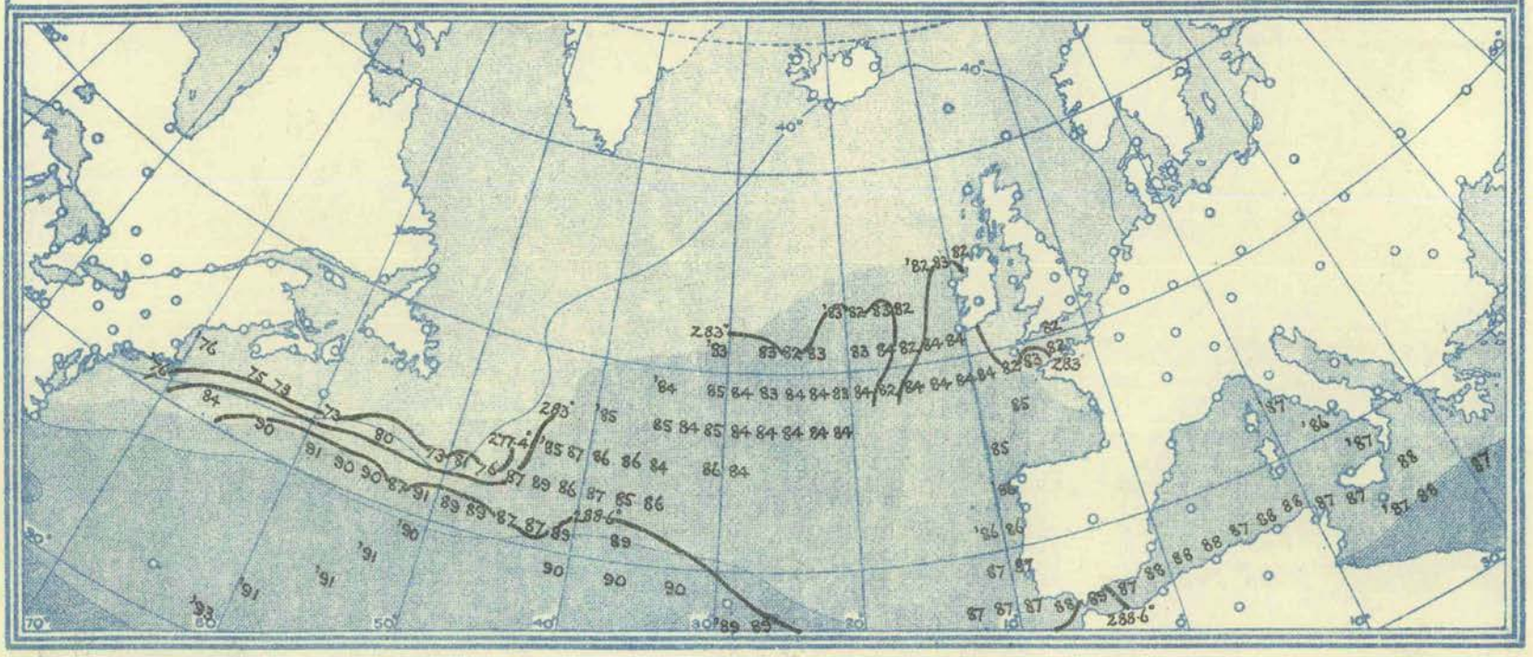



**Feb. 27th.**—No change of importance occurred during day in the general situation, but the depression over the Mediterranean became less deep. Slight rain fell in the west and north of the United Kingdom, and larger quantities in Italy, Greece, and Algeria; 1·6in. at Athens, and 1·1in. at Cape de Garde. In several parts of Russia there was snow, the fall being very heavy at St. Petersburg. Temperature rose to a maximum above 283°A in most British and Irish localities—as high as 287°A at Rhyl and Colwyn Bay—but fell to 275°A or below at night in the south-east of England. At Patras the maximum was as high as 297°A, at Malaga 293°A, and at some other southern stations above 289°A. In central Europe the thermometer remained below 283°A, and over a large area in the north below 273°A. Frost was experienced at night in the Netherlands and the east of France.




**Feb. 28th.**—The Icelandic depression moved slowly in a north-easterly direction during day, and a shallow secondary passed eastward over England at night. Temperature rose to 283°A or higher in many parts of these Islands, touching 286°A at Dublin, Nairn, and Leith. Readings between 288°A and 286°A were the rule over France, while over the Mediterranean region many places reported a maximum above 289°A, the highest value being 294°A at Malaga. No break occurred in the frost in the north-east of the Continent. Rain was experienced in most parts of the United Kingdom, more than 0·5in. at Eskdalemuir, but much less generally. Rain fell in various regions on the Continent and Algeria, and snow in Russia. At Hermanstadt the measurement was 0·6in., and on the coast of Norway about 0·5in. Between 0·5in. and 1·3in. fell in Algeria.

## *SURFACE TEMPERATURE of the SEA during the week ended Saturday, 28TH. FEBRUARY, 1914.*



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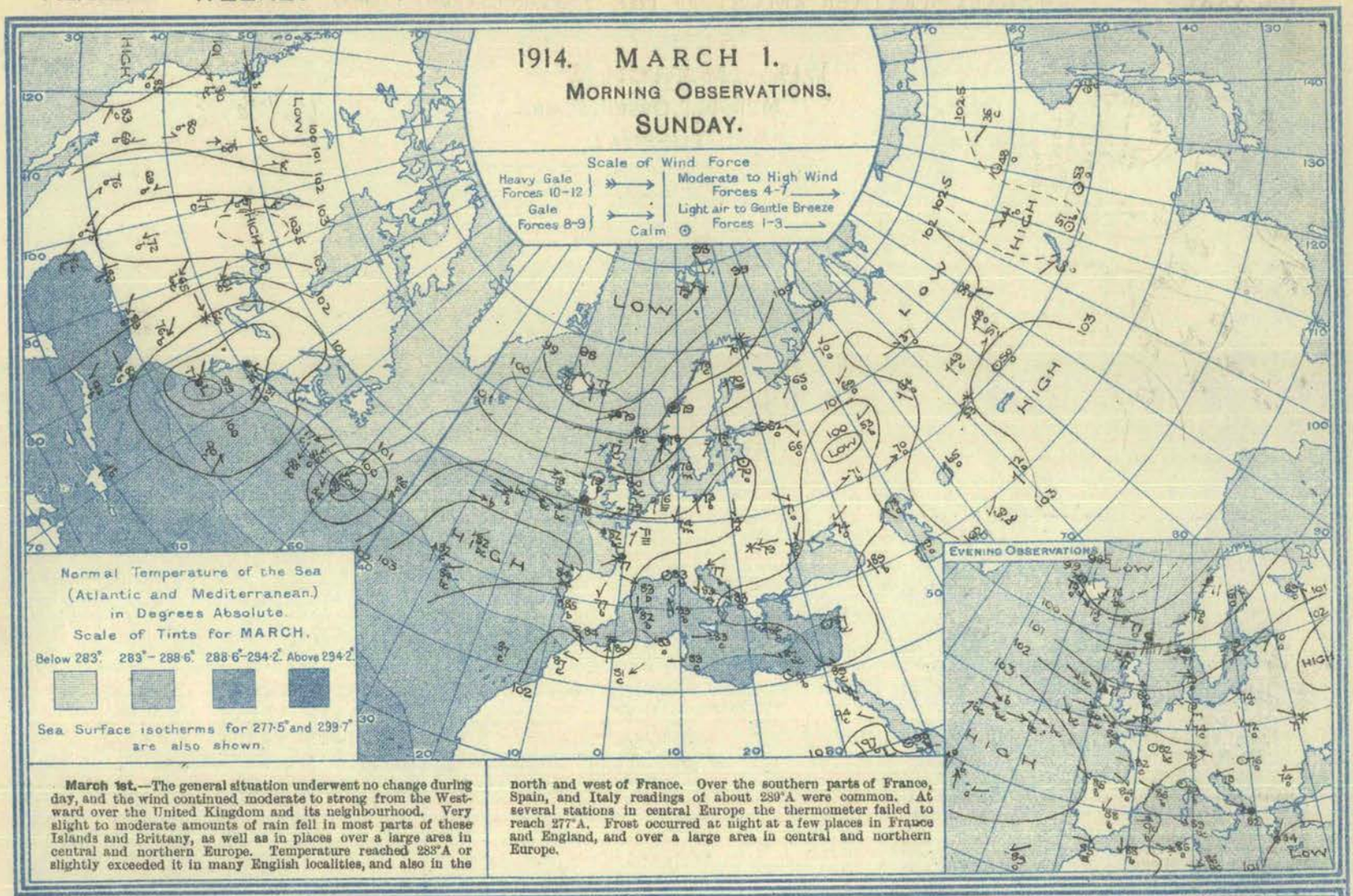
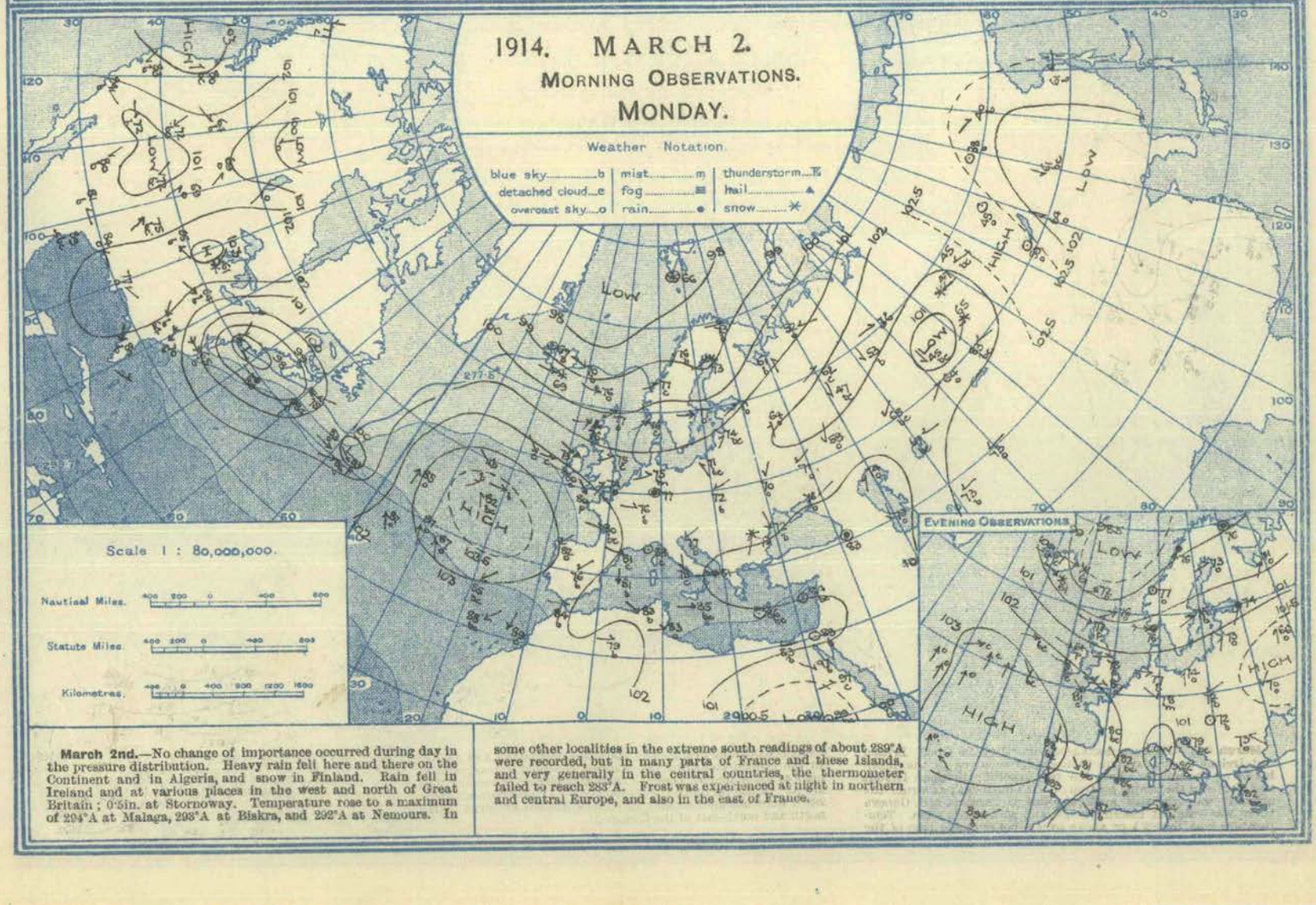
The charts are prepared from observations made at 7 a.m. in the British Islands, France, Italy, Belgium, Holland, Germany, Denmark, Norway, Sweden, Iceland, Spitzbergen, Madeira, and Algeria; at 6.30 a.m. in Switzerland; at 6 a.m. in Austria-Hungary and Egypt; at 5.25 a.m. in Greece; at 8.37 a.m. in Portugal; and at 8 a.m. in Spain and in the Azores. These times refer to Greenwich Mean Time. Observations in the Russian Empire, including Siberia, are taken at 7 a.m. local time. On the American Continent and at Bermuda the observations are taken at 8 a.m., mean time of Longitude 75° W., i.e., 1 p.m. G.M.T. "Wireless" observations from the Atlantic Ocean are taken at 7 a.m. G.M.T., others at 8 a.m. local time.

The evening charts are prepared from observations made at 6 p.m. in the British Islands, France, Germany, Holland, Denmark and Norway; at 4 p.m. in Spain; at 5 p.m. in Iceland; at 6.25 p.m. in Greece; at 8 p.m. in Belgium, Sweden, Switzerland, Italy and Austria-Hungary; and at 9.37 p.m. in Portugal and 9 p.m. in the Azores. In the Russian Empire (including Siberia) they are taken at 9 p.m. local time.

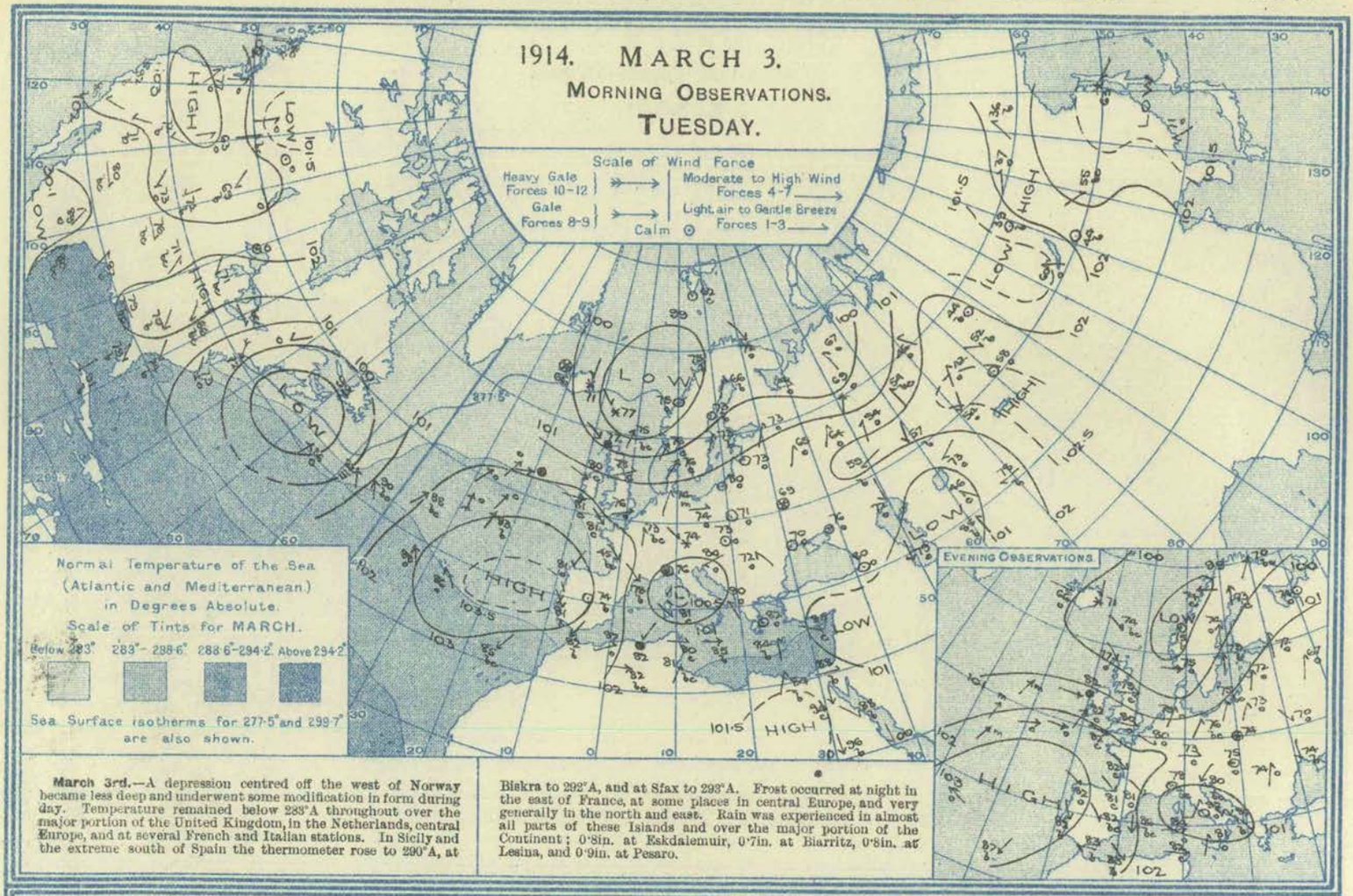
**Temperature of the Sea.**—The mean surface temperature of the sea in degrees Absolute, observed during the week to which the report refers, is shown in black on the last chart. The normal temperature for the month is indicated by the intensity of the blue shading and the scale shown in an inset. The isotherms for 277·5°A and 299·7°A are shown by blue lines.



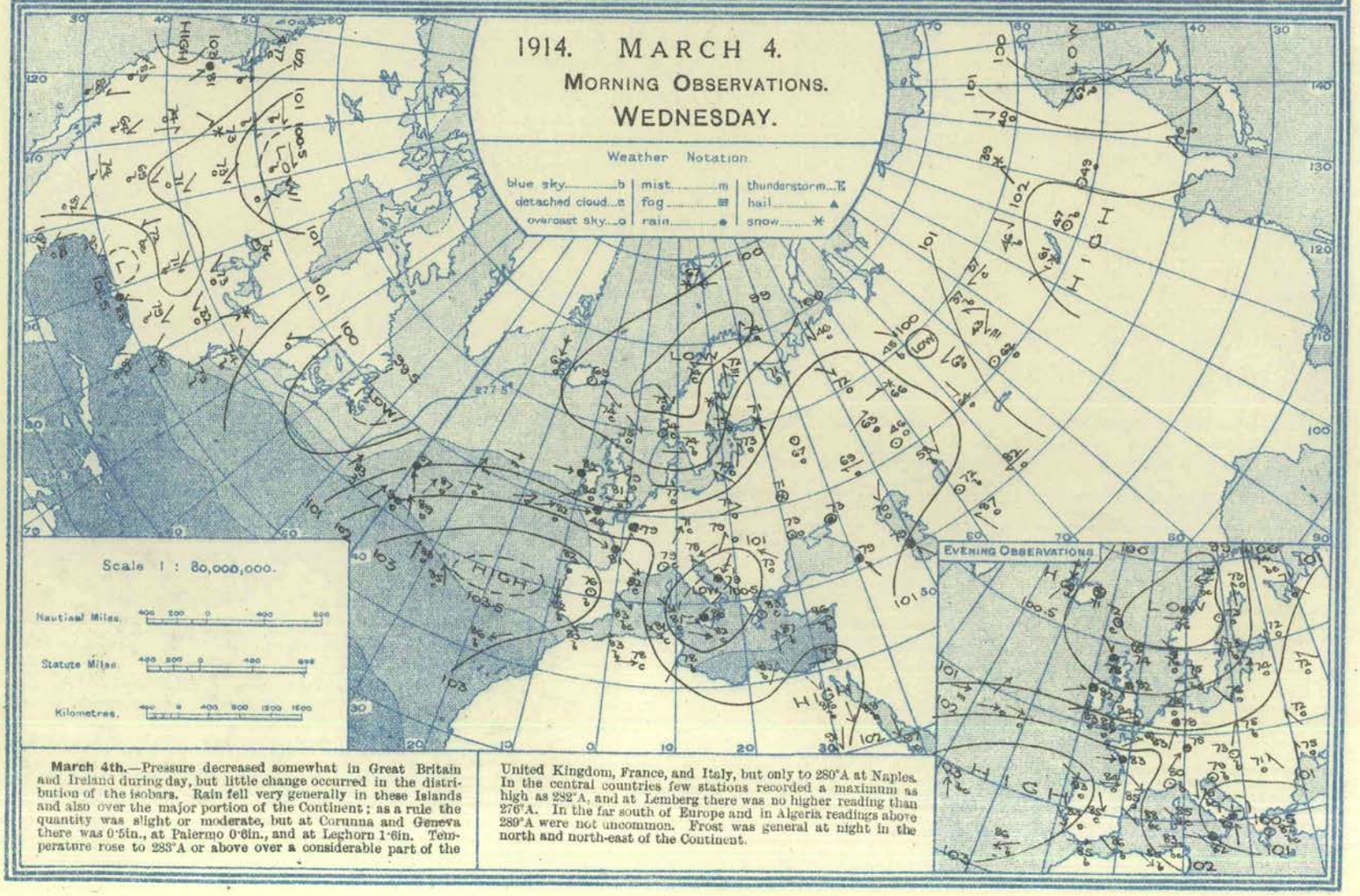

**March 1st.**—The general situation underwent no change during day, and the wind continued moderate to strong from the Westward over the United Kingdom and its neighbourhood. Very slight to moderate amounts of rain fell in most parts of these Islands and Brittany, as well as in places over a large area in central and northern Europe. Temperature reached 283°A or slightly exceeded it in many English localities, and also in the north and west of France. Over the southern parts of France, Spain, and Italy readings of about 289°A were common. At several stations in central Europe the thermometer failed to reach 277°A. Frost occurred at night at a few places in France and England, and over a large area in central and northern Europe.



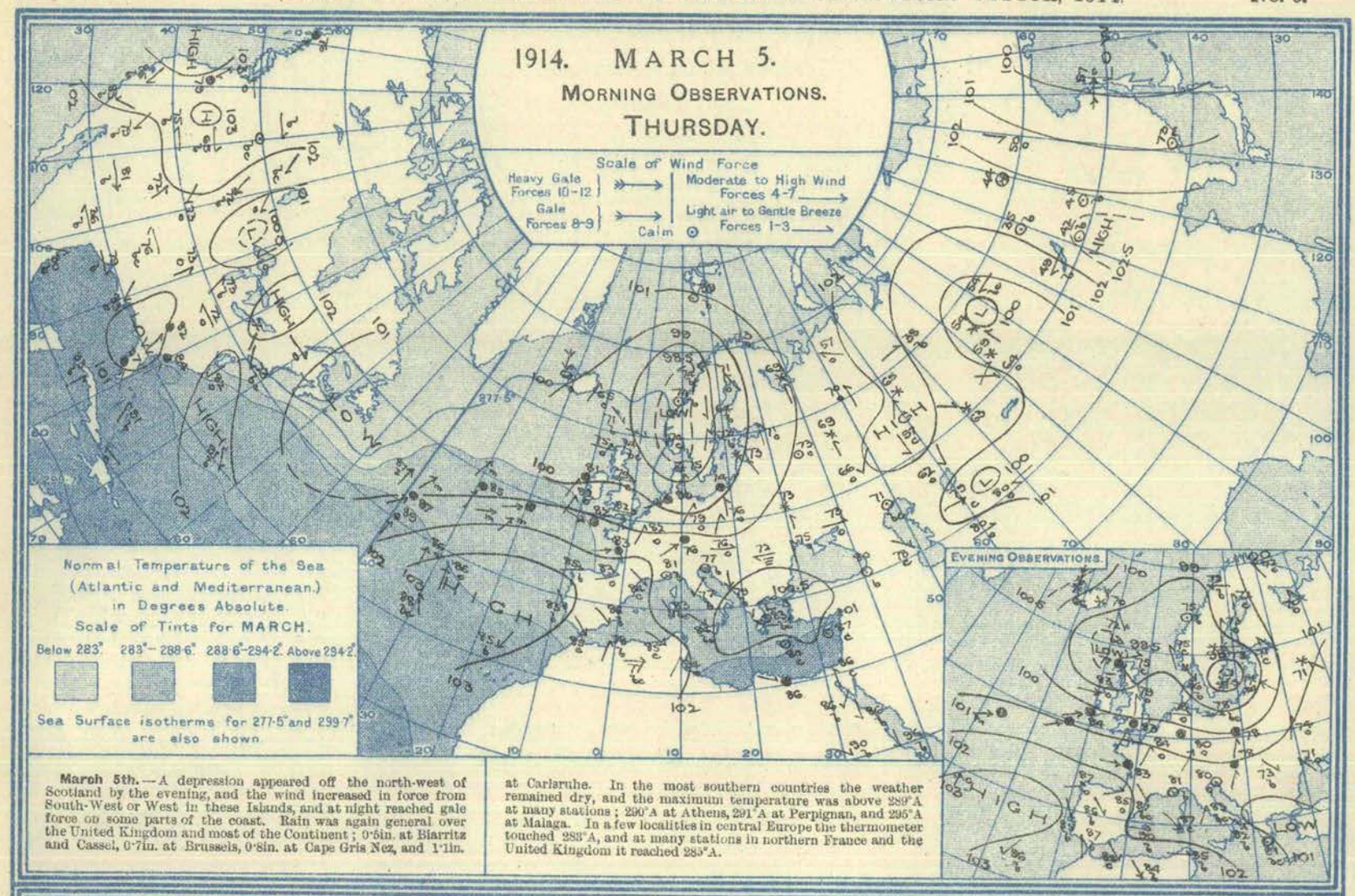

**March 2nd.**—No change of importance occurred during day in the pressure distribution. Heavy rain fell here and there on the Continent and in Algeria, and snow in Finland. Rain fell in Ireland and at various places in the west and north of Great Britain; 0·5in. at Stornoway. Temperature rose to a maximum of 294°A at Malaga, 293°A at Biskra, and 292°A at Nemours. In some other localities in the extreme south readings of about 289°A were recorded, but in many parts of France and these Islands, and very generally in the central countries, the thermometer failed to reach 283°A. Frost was experienced at night in northern and central Europe, and also in the east of France.



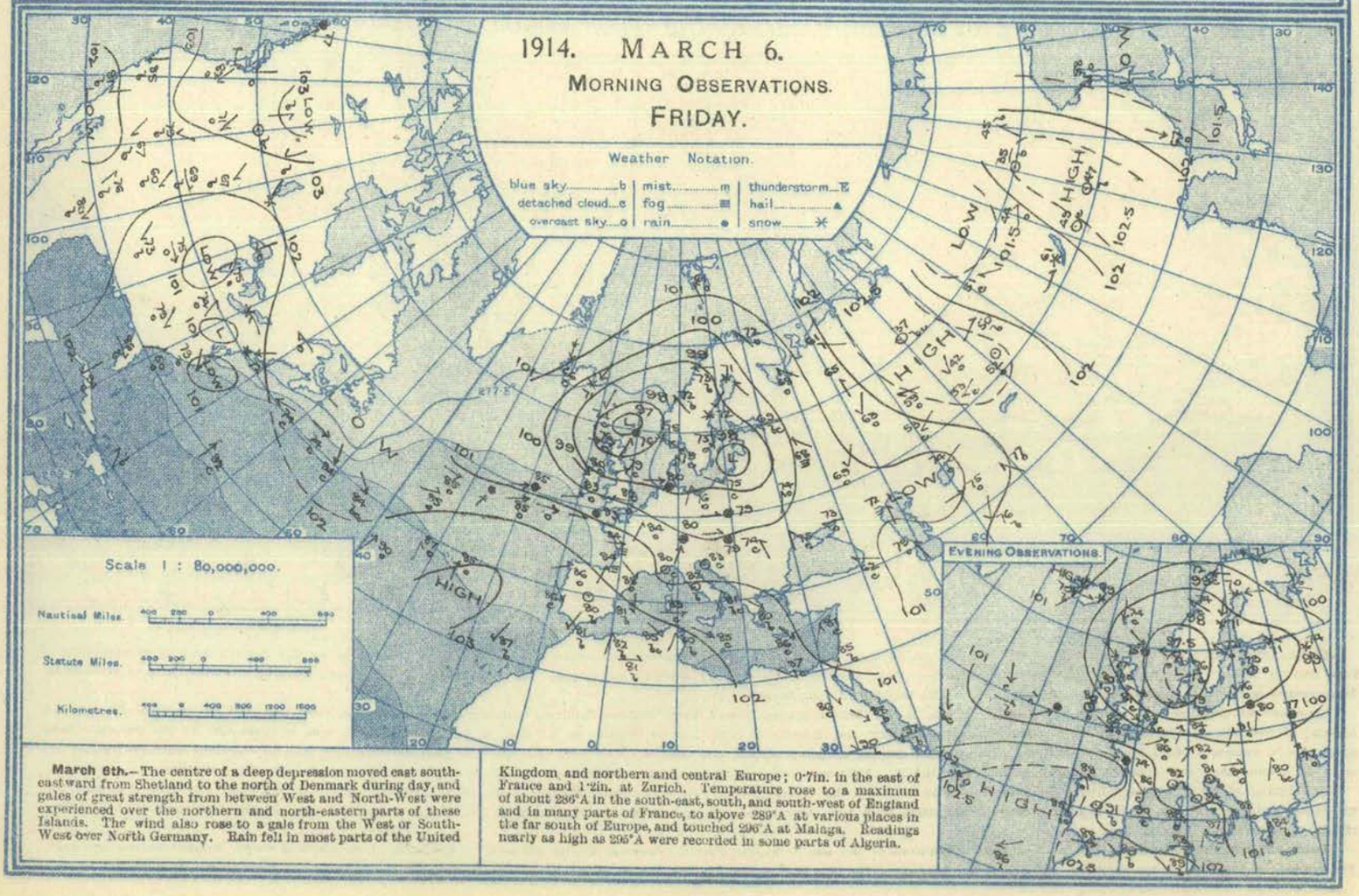

**March 3rd.**—A depression centred off the west of Norway became less deep and underwent some modification in form during day. Temperature remained below 283°A throughout over the major portion of the United Kingdom, in the Netherlands, central Europe, and at several French and Italian stations. In Sicily and the extreme south of Spain the thermometer rose to 290°A, at Biskra to 292°A, and at Sfax to 293°A. Frost occurred at night in the east of France, at some places in central Europe, and very generally in the north and east. Rain was experienced in almost all parts of these Islands and over the major portion of the Continent; 0·8in. at Eskdalemuir, 0·7in. at Biarritz, 0·8in. at Lesina, and 0·9in. at Pesaro.



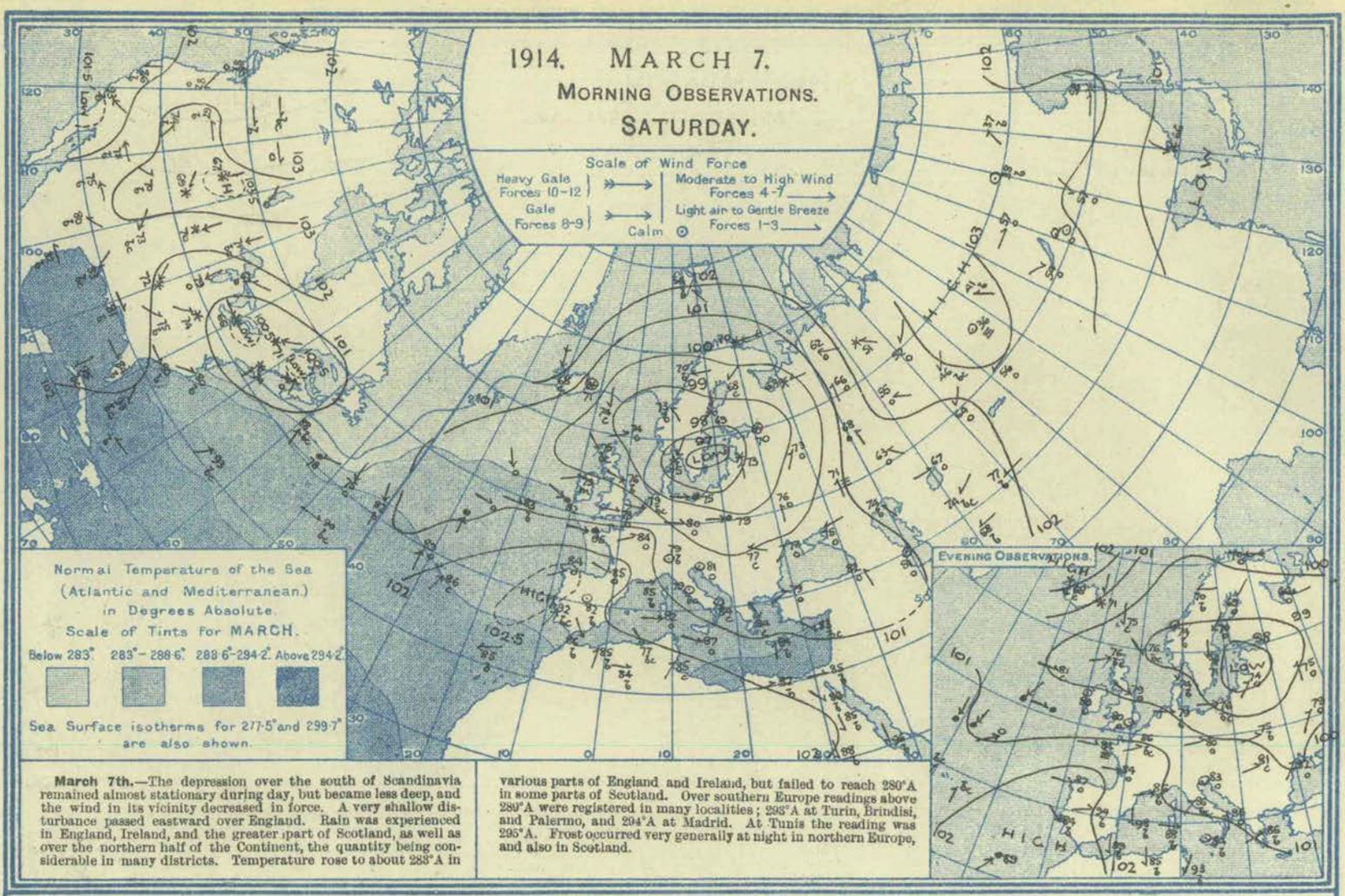

**March 4th.**—Pressure decreased somewhat in Great Britain and Ireland during day, but little change occurred in the distribution of the isobars. Rain fell very generally in these Islands and also over the major portion of the Continent; as a rule the quantity was slight or moderate, but at Corunna and Geneva there was 0·5in., at Palermo 0·6in., and at Leghorn 1·6in. Temperature rose to 283°A or above over a considerable part of the United Kingdom, France, and Italy, but only to 280°A at Naples. In the central countries few stations recorded a maximum as high as 282°A, and at Lemberg there was no higher reading than 276°A. In the far south of Europe and in Algeria readings above 289°A were not uncommon. Frost was general at night in the north and north-east of the Continent.




**March 5th.**—A depression appeared off the north-west of Scotland by the evening, and the wind increased in force from South-West or West in these Islands, and at night reached gale force on some parts of the coast. Rain was again general over the United Kingdom and most of the Continent; 0·5in. at Biarritz and Cassel, 0·7in. at Brussels, 0·8in. at Cape Gris Nez, and 1·1in. at Carlsruhe. In the most southern countries the weather remained dry, and the maximum temperature was above 289°A at many stations; 290°A at Athens, 291°A at Perpignan, and 295°A at Malaga. In a few localities in central Europe the thermometer touched 283°A, and at many stations in northern France and the United Kingdom it reached 285°A.

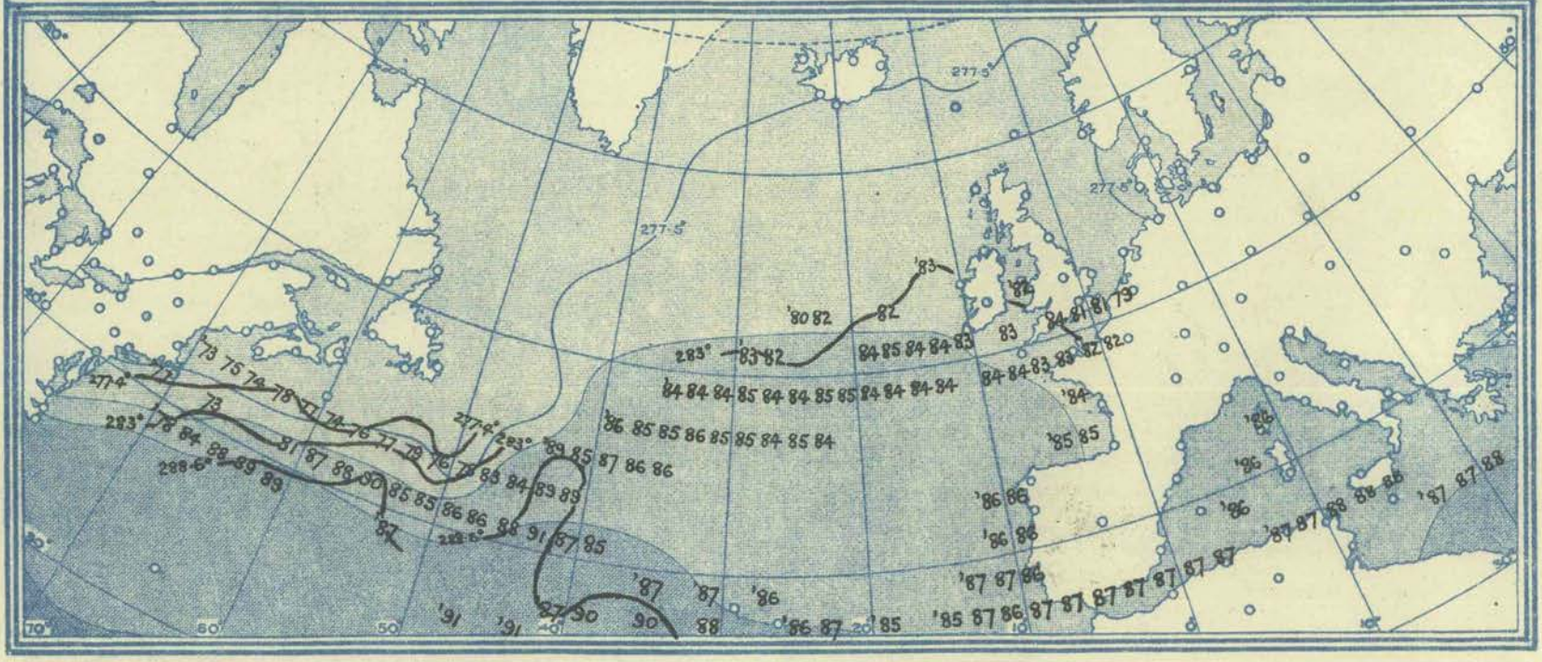



**March 6th.**—The centre of a deep depression moved east south-eastward from Shetland to the north of Denmark during day, and gales of great strength from between West and North-West were experienced over the northern and north-eastern parts of these Islands. The wind also rose to a gale from the West or South-West over North Germany. Rain fell in most parts of the United Kingdom and northern and central Europe; 0·7in. in the east of France and 1·2in. at Zurich. Temperature rose to a maximum of about 286°A in the south-east, south, and south-west of England and in many parts of France, to above 289°A at various places in the far south of Europe, and touched 296°A at Malaga. Readings nearly as high as 295°A were recorded in some parts of Algeria.




**March 7th.**—The depression over the south of Scandinavia remained almost stationary during day, but became less deep, and the wind in its vicinity decreased in force. A very shallow disturbance passed eastward over England. Rain was experienced in England, Ireland, and the greater part of Scotland, as well as over the northern half of the Continent, the quantity being considerable in many districts. Temperature rose to about 283°A in various parts of England and Ireland, but failed to reach 280°A in some parts of Scotland. Over southern Europe readings above 289°A were registered in many localities; 293°A at Turin, Brindisi, and Palermo, and 294°A at Madrid. At Tunis the reading was 295°A. Frost occurred very generally at night in northern Europe, and also in Scotland.

## SURFACE TEMPERATURE of the SEA during the week ended Saturday, 7TH MARCH, 1914.

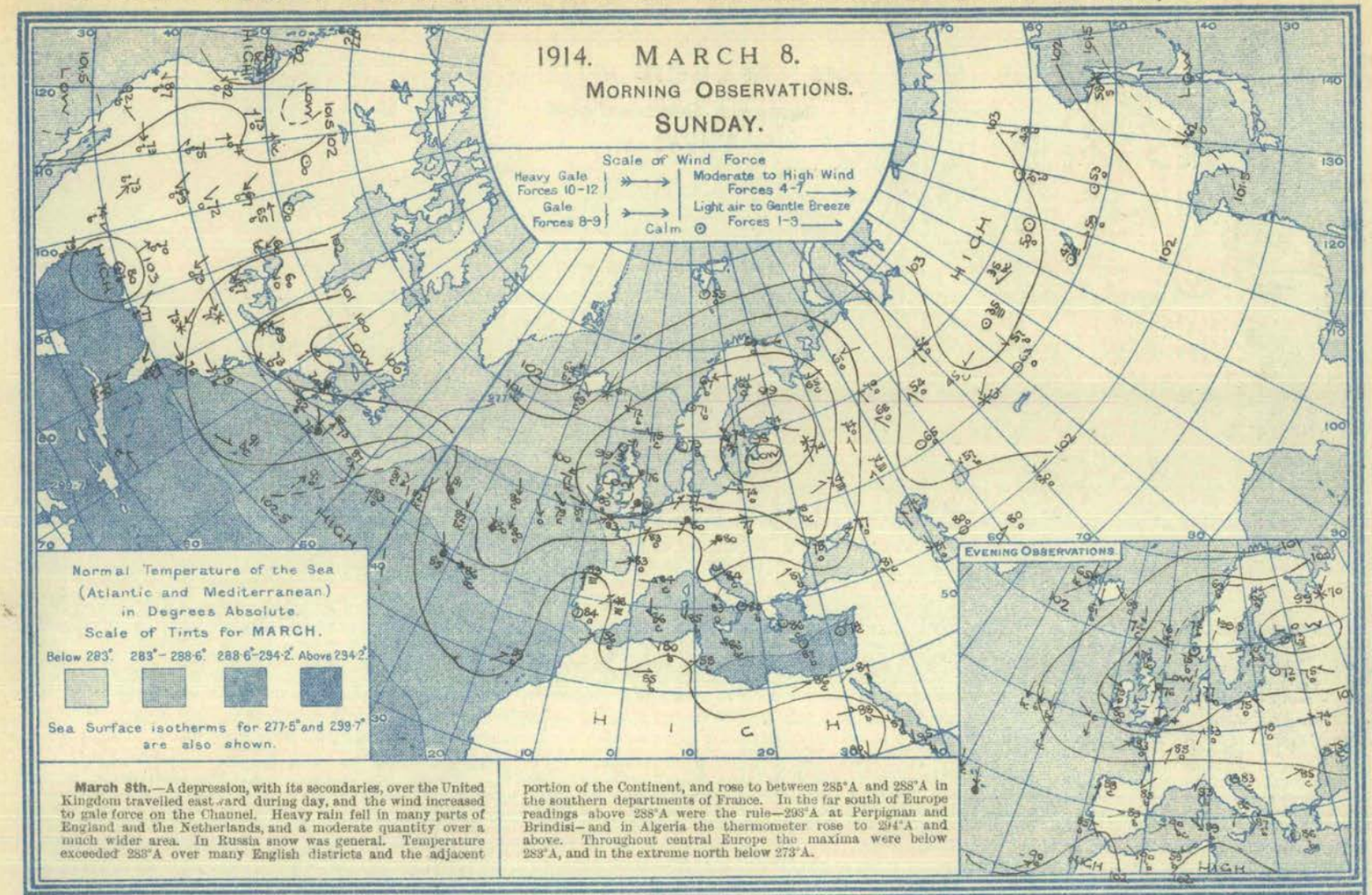



**Explanation of Charts.**—The height of the barometer is expressed by isobars, which are drawn for intervals of one centibar, the equivalent on the absolute scale of pressure units of 0·295 mercury inches. 1 centibar = 10 millibars. 100 centibars = 29·53 mercury inches = 750·1 mercury millimetres. The winds are shown by arrows which are drawn flying with the wind. Temperatures are given in degrees Absolute, freezing point = 273°, the initial 2 being omitted.

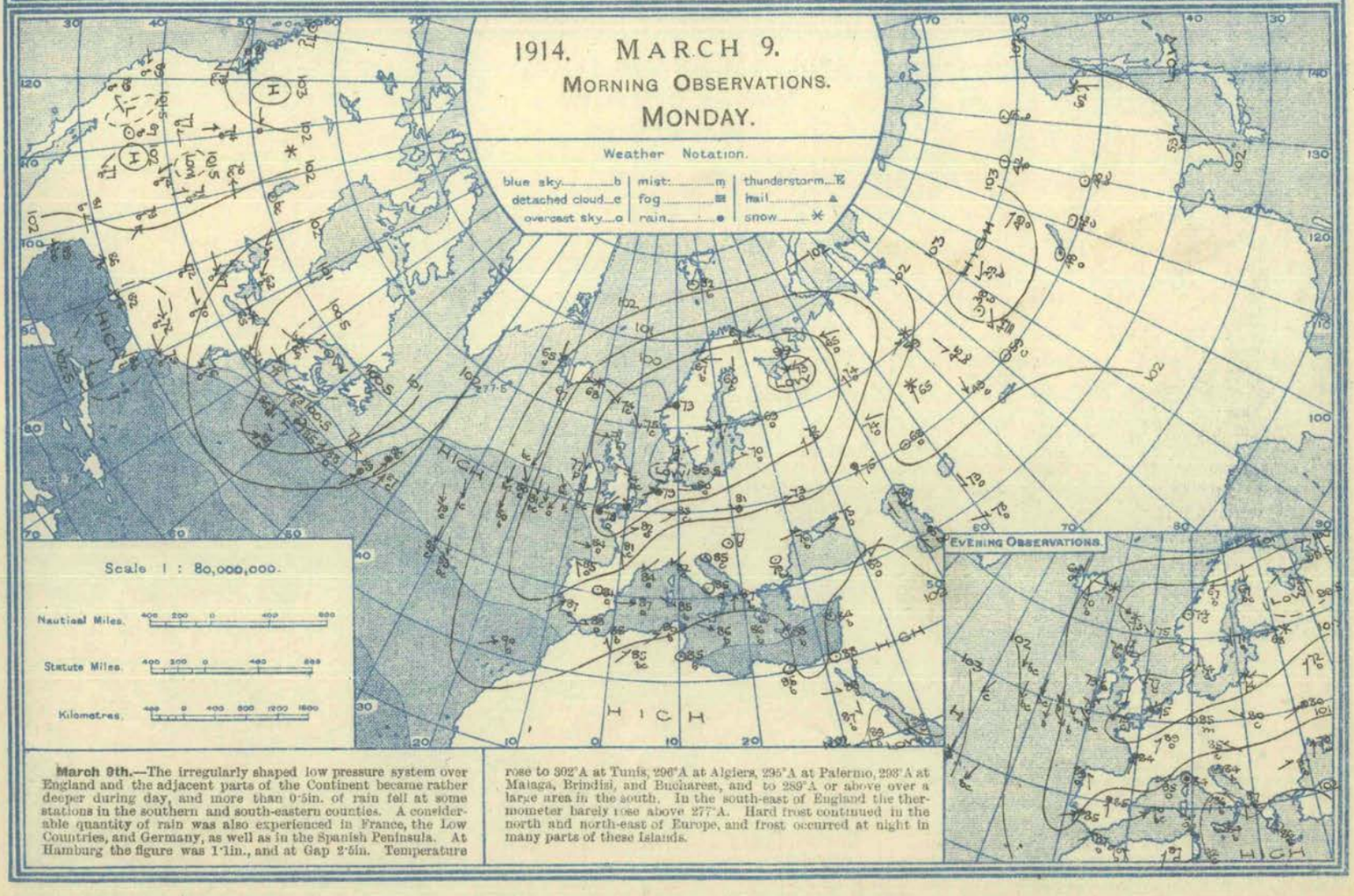
The charts are prepared from observations made at 7 a.m. in the British Islands, France, Italy, Belgium, Holland, Germany, Denmark, Norway, Sweden, Iceland, Spitzbergen, Madeira, and Algeria; at 6.30 a.m. in Switzerland; at 6 a.m. in Austria-Hungary and Egypt; at 5.25 a.m. in Greece; at 8.37 a.m. in Portugal; and at 8 a.m. in Spain and in the Azores. These times refer to Greenwich Mean Time. Observations in the Russian Empire, including Siberia, are taken at 7 a.m. local time. On the American Continent and at Bermuda the observations are taken at 8 a.m., mean time of Longitude 75° W., i.e., 1 p.m. G.M.T. "Wireless" observations from the Atlantic Ocean are taken at 7 a.m. G.M.T., others at 8 a.m. local time.

The evening charts are prepared from observations made at 6 p.m. in the British Islands, France, Germany, Holland, Denmark and Norway; at 4 p.m. in Spain; at 5 p.m. in Iceland; at 6.25 p.m. in Greece; at 8 p.m. in Belgium, Sweden, Switzerland, Italy and Austria-Hungary; and at 9.37 p.m. in Portugal and 9 p.m. in the Azores. In the Russian Empire (including Siberia) they are taken at 9 p.m. local time.

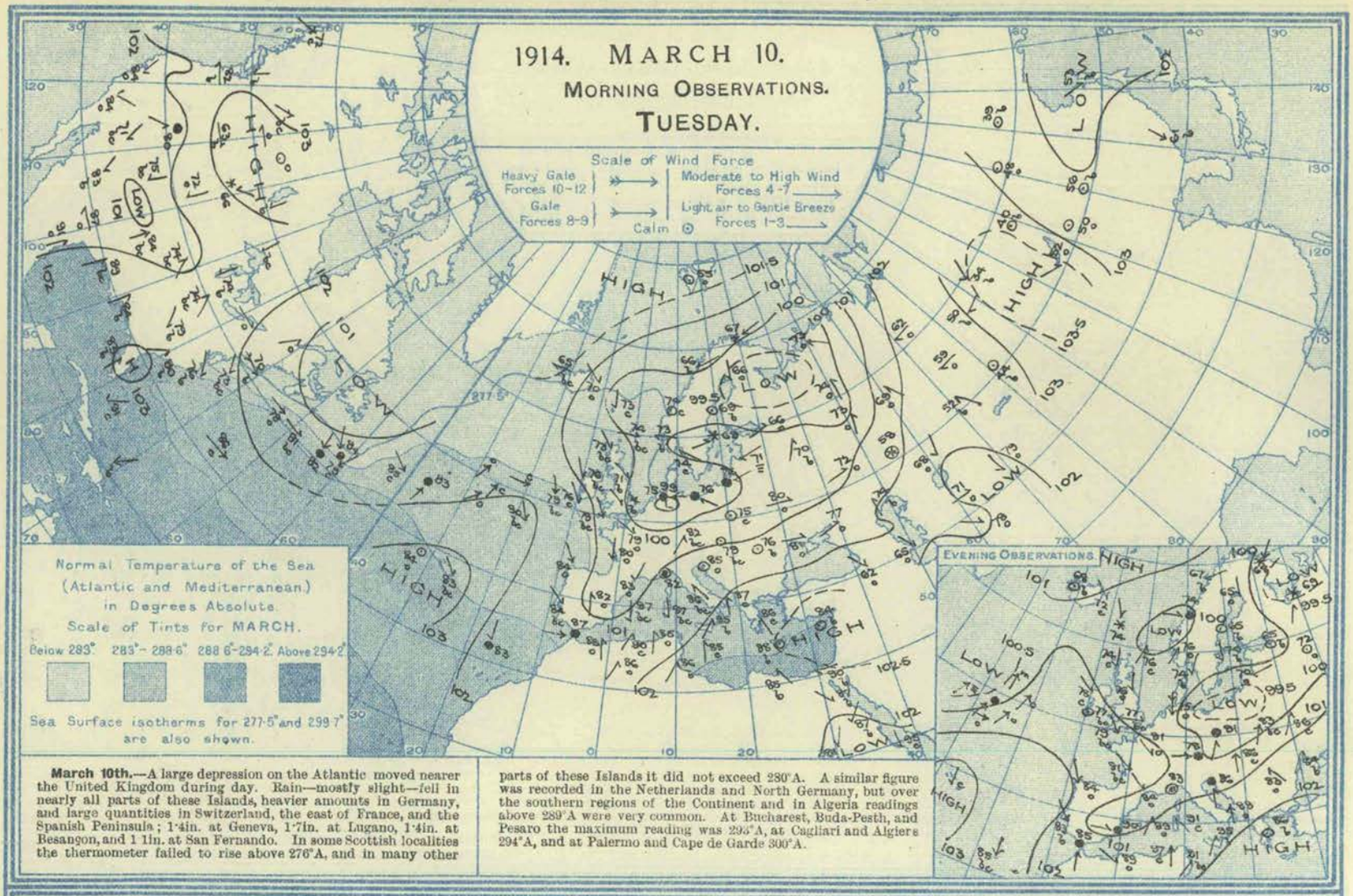
**Temperature of the Sea.**—The mean surface temperature of the sea in degrees Absolute, observed during the week to which the report refers, is shown in black on the last chart. The normal temperature for the month is indicated by the intensity of the blue shading and the scale shown in an inset. The isotherms for 277·5°A and 299·7°A are shown by blue lines.



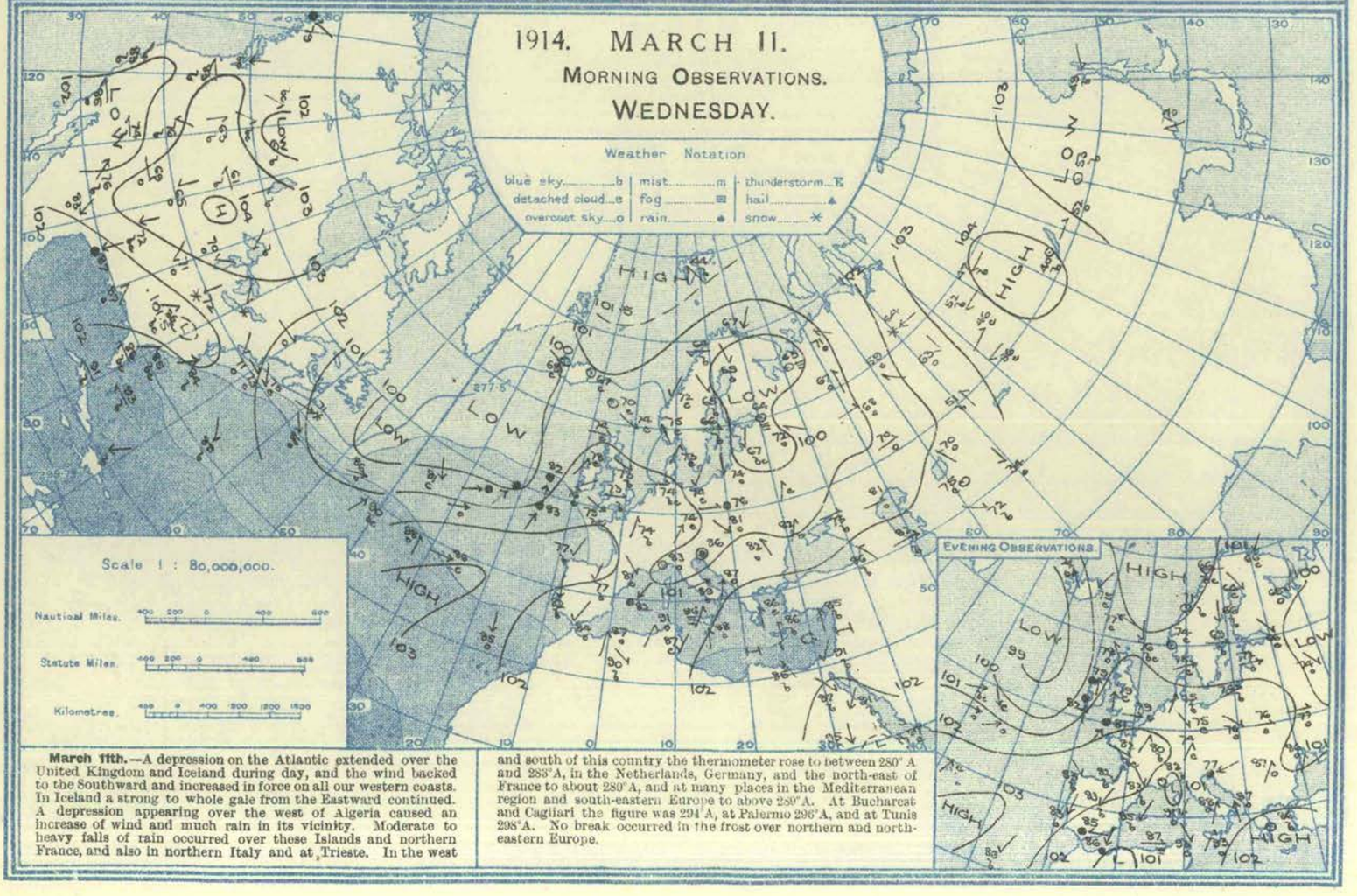

**March 8th.**—A depression, with its secondaries, over the United Kingdom travelled eastward during day, and the wind increased to gale force on the Channel. Heavy rain fell in many parts of England and the Netherlands, and a moderate quantity over a much wider area. In Russia snow was general. Temperature exceeded 283°A over many English districts and the adjacent portion of the Continent, and rose to between 285°A and 288°A in the southern departments of France. In the far south of Europe readings above 288°A were the rule—293°A at Perpignan and Brindisi—and in Algeria the thermometer rose to 294°A and above. Throughout central Europe the maxima were below 283°A, and in the extreme north below 273°A.



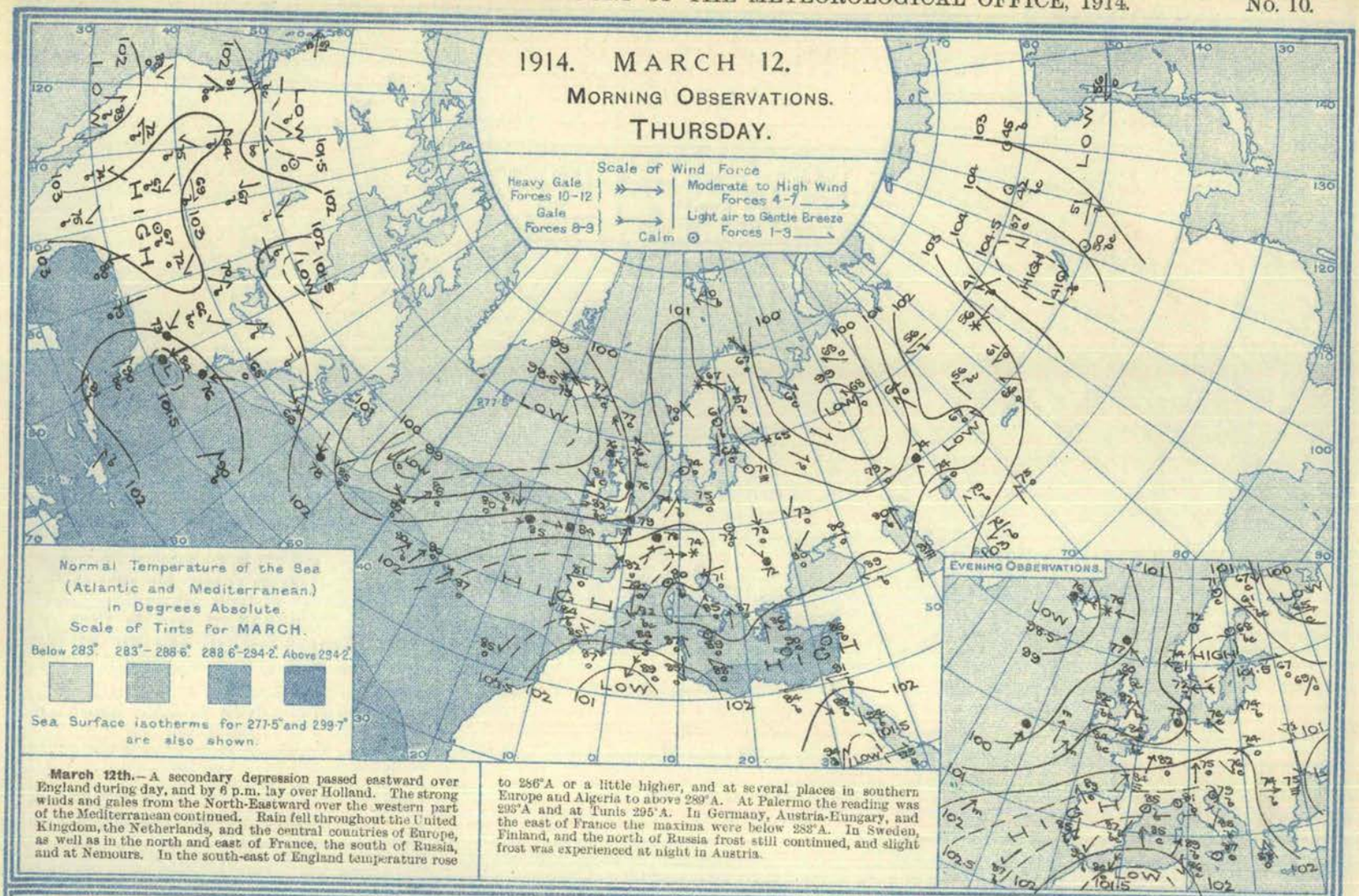

**March 9th.**—The irregularly shaped low pressure system over England and the adjacent parts of the Continent became rather deeper during day, and more than 0·5in. of rain fell at some stations in the southern and south-eastern counties. A considerable quantity of rain was also experienced in France, the Low Countries, and Germany, as well as in the Spanish Peninsula. At Hamburg the figure was 1·1in., and at Gap 2·5in. Temperature rose to 302°A at Tunis, 296°A at Algiers, 295°A at Palermo, 293°A at Malaga, Brindisi, and Bucharest, and to 289°A or above over a large area in the south. In the south-east of England the thermometer barely rose above 277°A. Hard frost continued in the north and north-east of Europe, and frost occurred at night in many parts of these Islands.



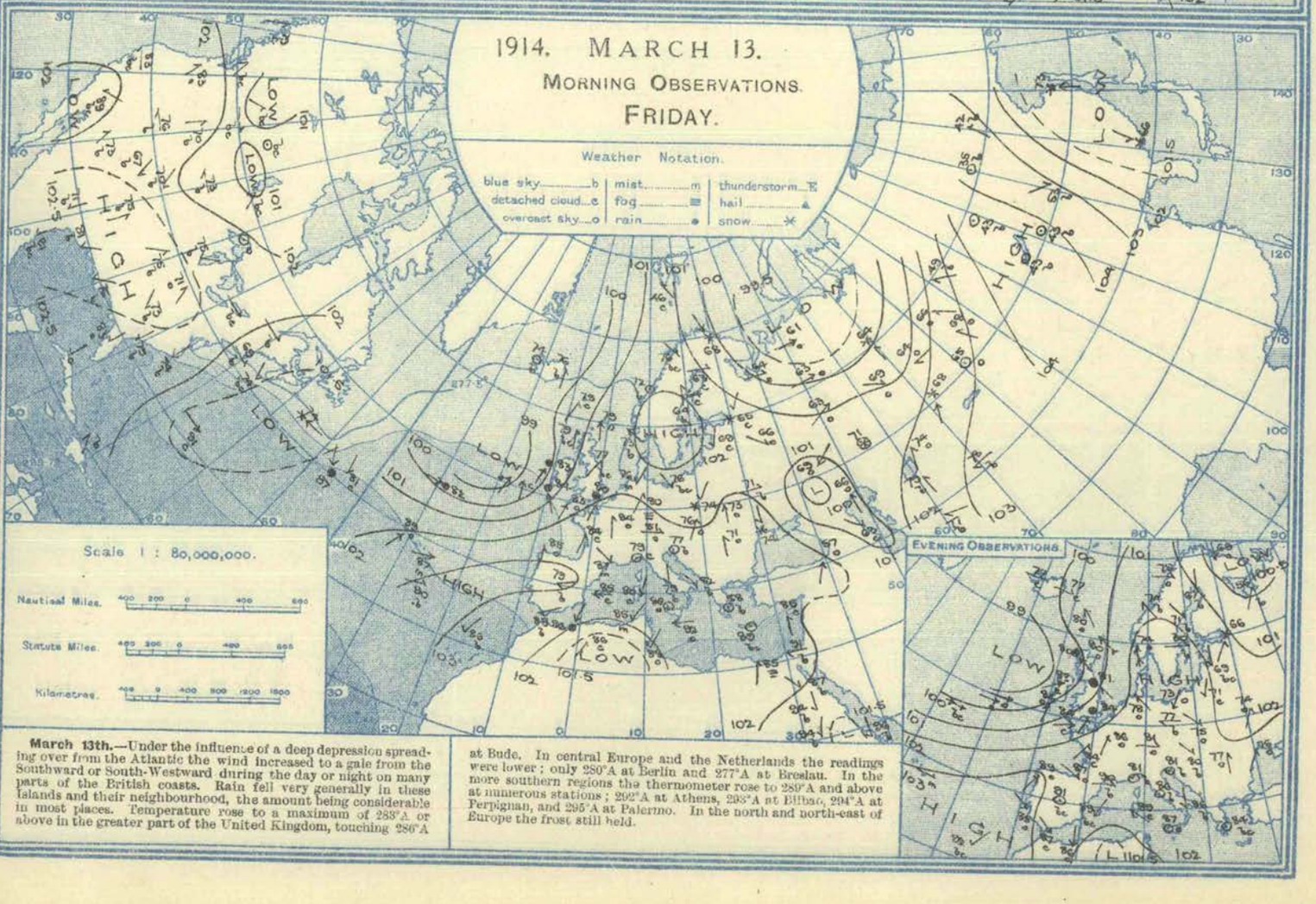

**March 10th.**—A large depression on the Atlantic moved nearer the United Kingdom during day. Rain—mostly slight—fell in nearly all parts of these Islands, heavier amounts in Germany, and large quantities in Switzerland, the east of France, and the Spanish Peninsula; 1·4in. at Geneva, 1·7in. at Lugano, 1·4in. at Besançon, and 1·1in. at San Fernando. In some Scottish localities the thermometer failed to rise above 276°A, and in many other parts of these Islands it did not exceed 280°A. A similar figure was recorded in the Netherlands and North Germany, but over the southern regions of the Continent and in Algeria readings above 289°A were very common. At Bucharest, Buda-Pesth, and Pesaro the maximum reading was 295°A, at Cagliari and Algiers 294°A, and at Palermo and Cape de Gards 300°A.



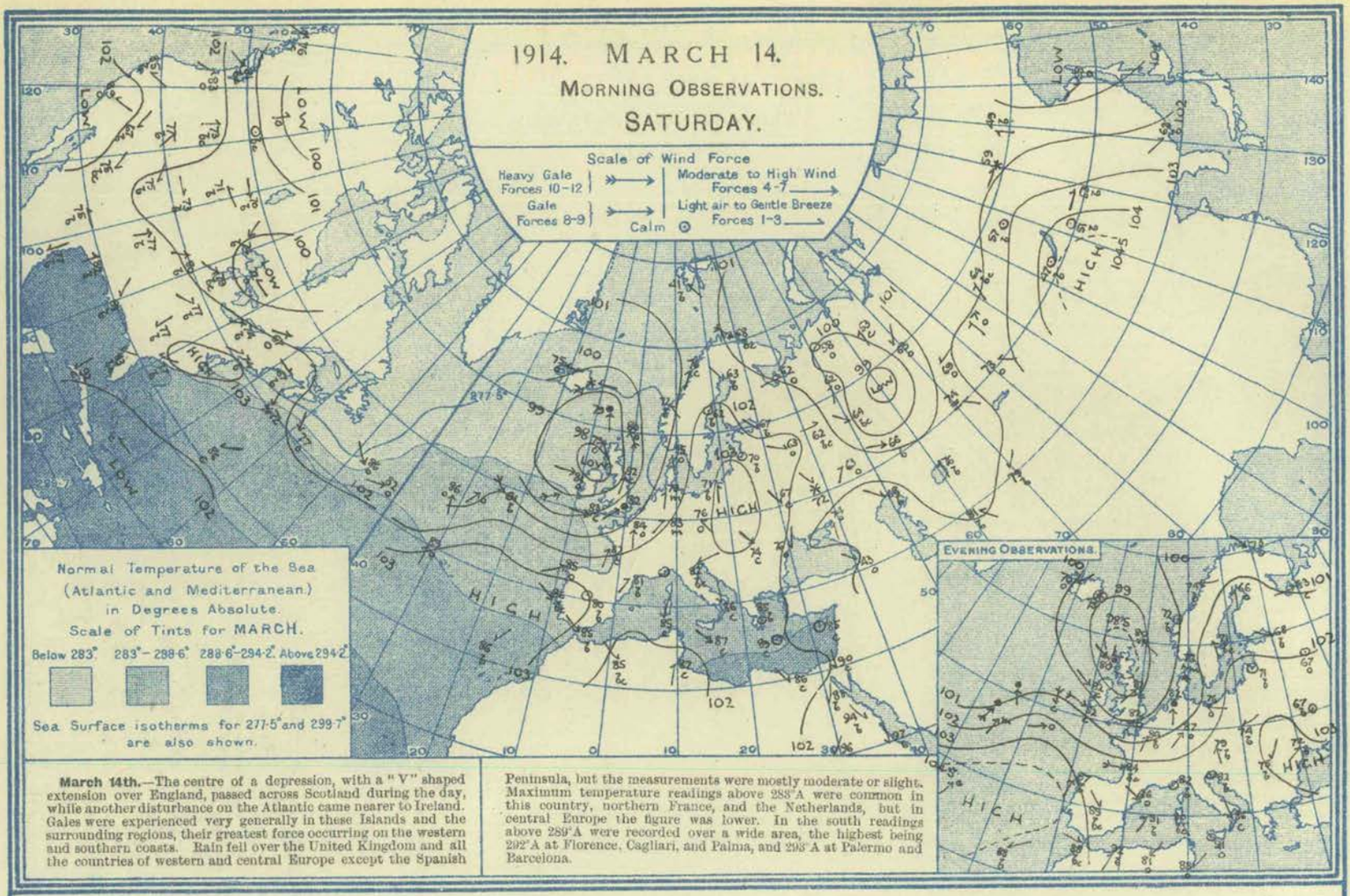

**March 11th.**—A depression on the Atlantic extended over the United Kingdom and Iceland during day, and the wind backed to the Southward and increased in force on all our western coasts. In Iceland a strong to whole gale from the Eastward continued. A depression appearing over the west of Algeria caused an increase of wind and much rain in its vicinity. Moderate to heavy falls of rain occurred over these Islands and northern France, and also in northern Italy and at Trieste. In the west and south of this country the thermometer rose to between 280° A and 283°A, in the Netherlands, Germany, and the north-east of France to about 280°A, and at many places in the Mediterranean region and south-eastern Europe to above 289°A. At Bucharest and Cagliari the figure was 294°A, at Palermo 296°A, and at Tunis 298°A. No break occurred in the frost over northern and north-eastern Europe.




**March 12th.**—A secondary depression passed eastward over England during day, and by 6 p.m. lay over Holland. The strong winds and gales from the North-Eastward over the western part of the Mediterranean continued. Rain fell throughout the United Kingdom, the Netherlands, and the central countries of Europe, as well as in the north and east of France, the south of Russia, and at Nemours. In the south-east of England temperature rose to 286°A or a little higher, and at several places in southern Europe and Algeria to above 289°A. At Palermo the reading was 295°A and at Tunis 295°A. In Germany, Austria-Hungary, and the east of France the maxima were below 282°A. In Sweden, Finland, and the north of Russia frost still continued, and slight frost was experienced at night in Austria.

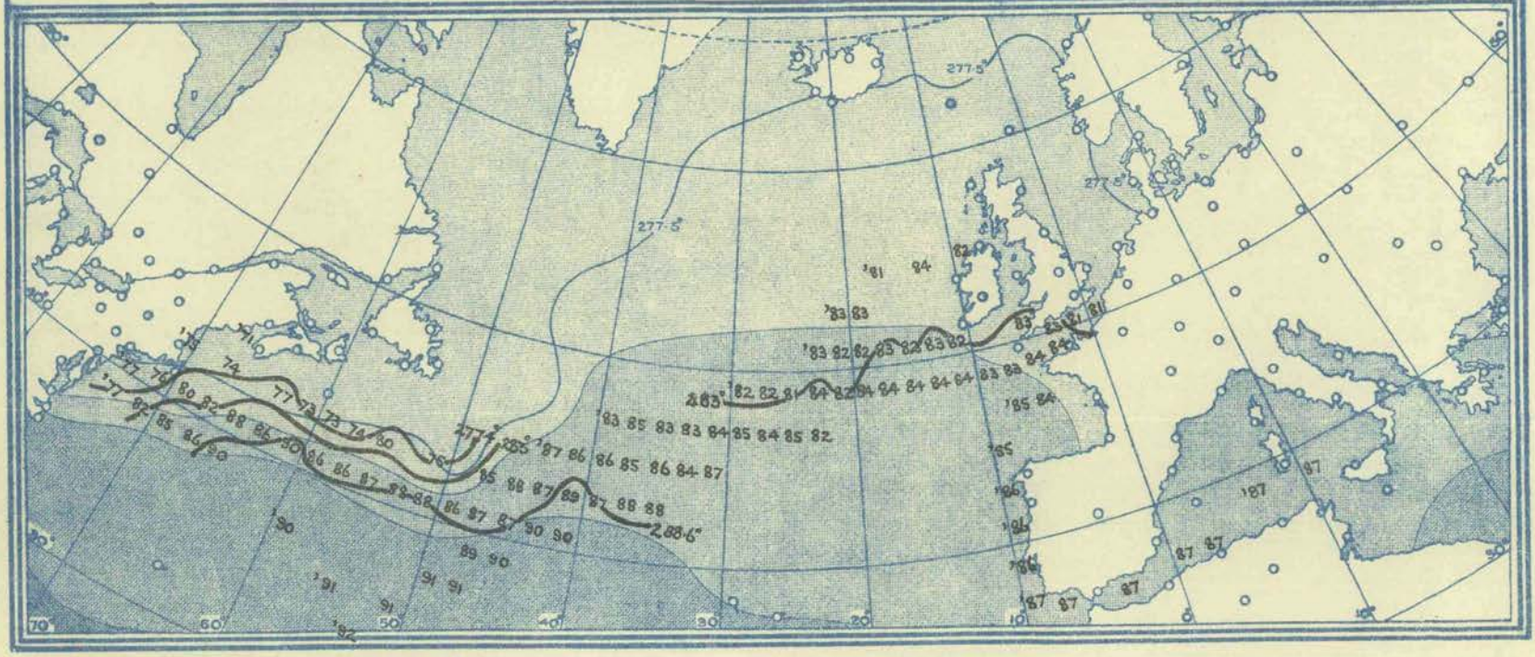



**March 13th.**—Under the influence of a deep depression spreading over from the Atlantic the wind increased to a gale from the Southward or South-Westward during the day or night on many parts of the British coasts. Rain fell very generally in these Islands and their neighbourhood, the amount being considerable in most places. Temperature rose to a maximum of 288°A or above in the greater part of the United Kingdom, touching 286°A at Bude. In central Europe and the Netherlands the readings were lower; only 280°A at Berlin and 277°A at Breslau. In the more southern regions the thermometer rose to 289°A and above at numerous stations; 292°A at Athens, 293°A at Bilbao, 294°A at Perpignan, and 295°A at Palermo. In the north and north-east of Europe the frost still held.




**March 14th.**—The centre of a depression, with a "V" shaped extension over England, passed across Scotland during the day, while another disturbance on the Atlantic came nearer to Ireland. Gales were experienced very generally in these Islands and the surrounding regions, their greatest force occurring on the western and southern coasts. Rain fell over the United Kingdom and all the countries of western and central Europe except the Spanish Peninsula, but the measurements were mostly moderate or slight. Maximum temperature readings above 288°A were common in this country, northern France, and the Netherlands, but in central Europe the figure was lower. In the south readings above 289°A were recorded over a wide area, the highest being 292°A at Florence, Cagliari, and Palma, and 293°A at Palermo and Barcelona.

## SURFACE TEMPERATURE of the SEA during the week ended Saturday, 14TH. MARCH, 1914.

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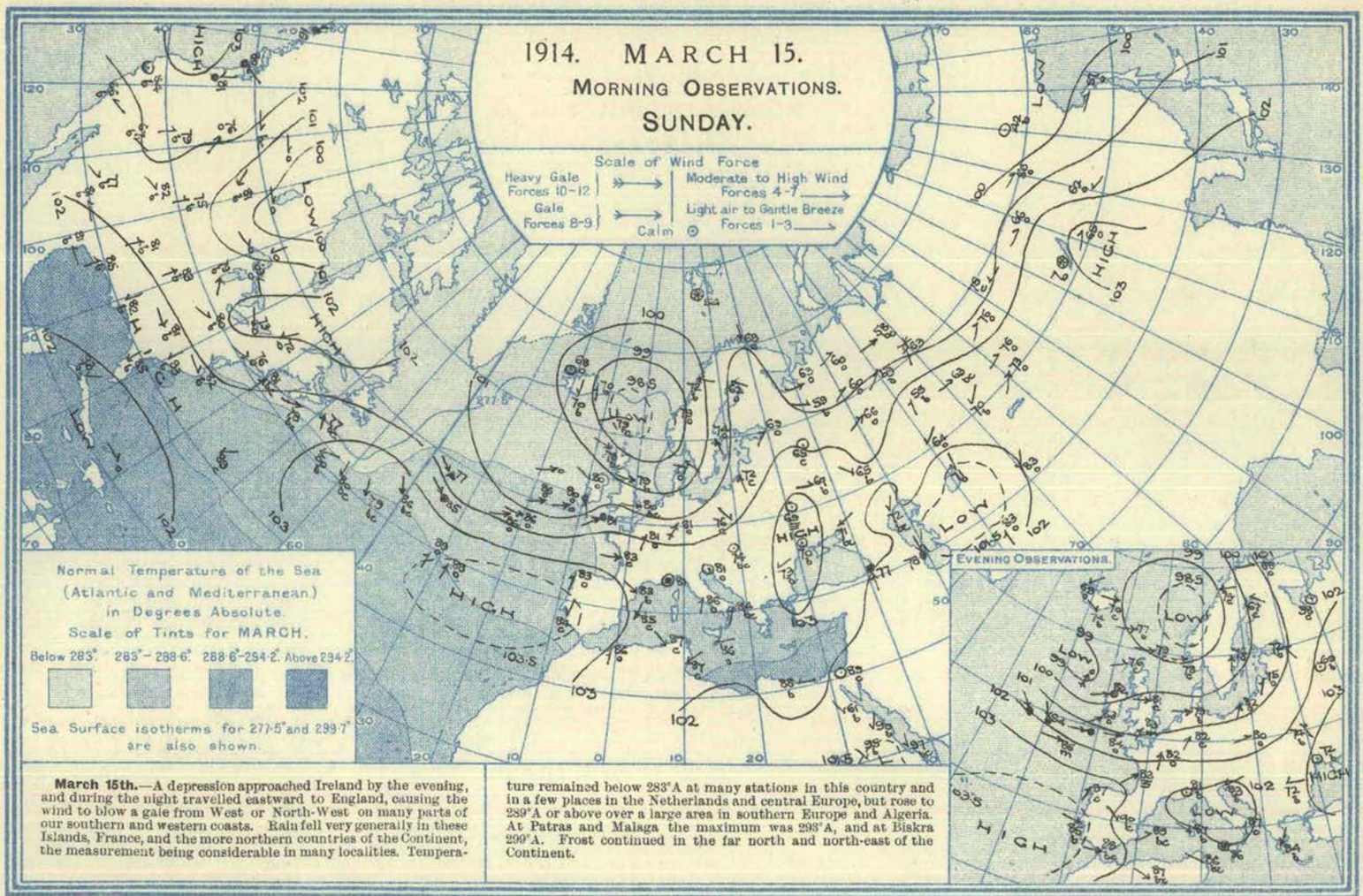
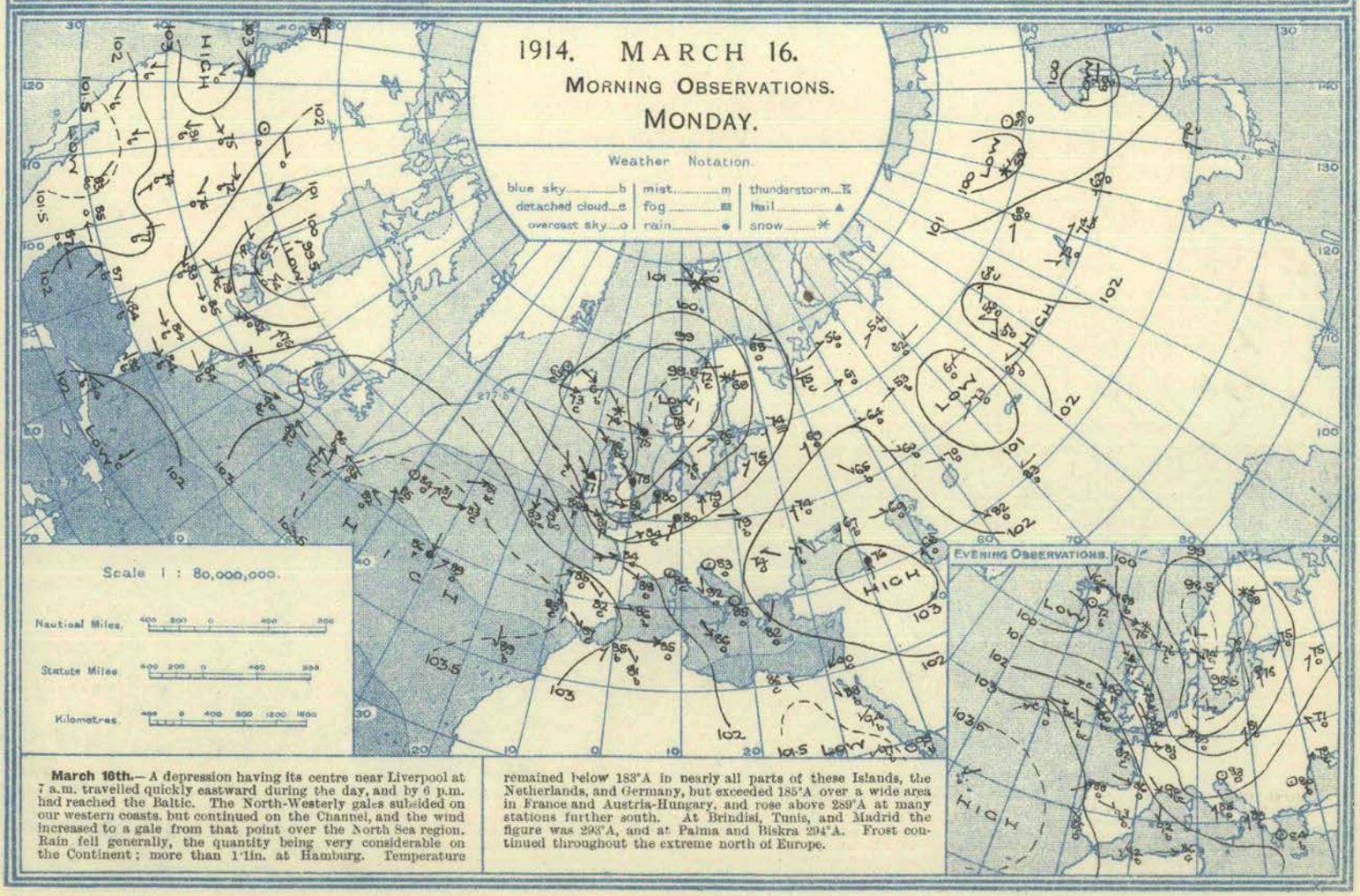
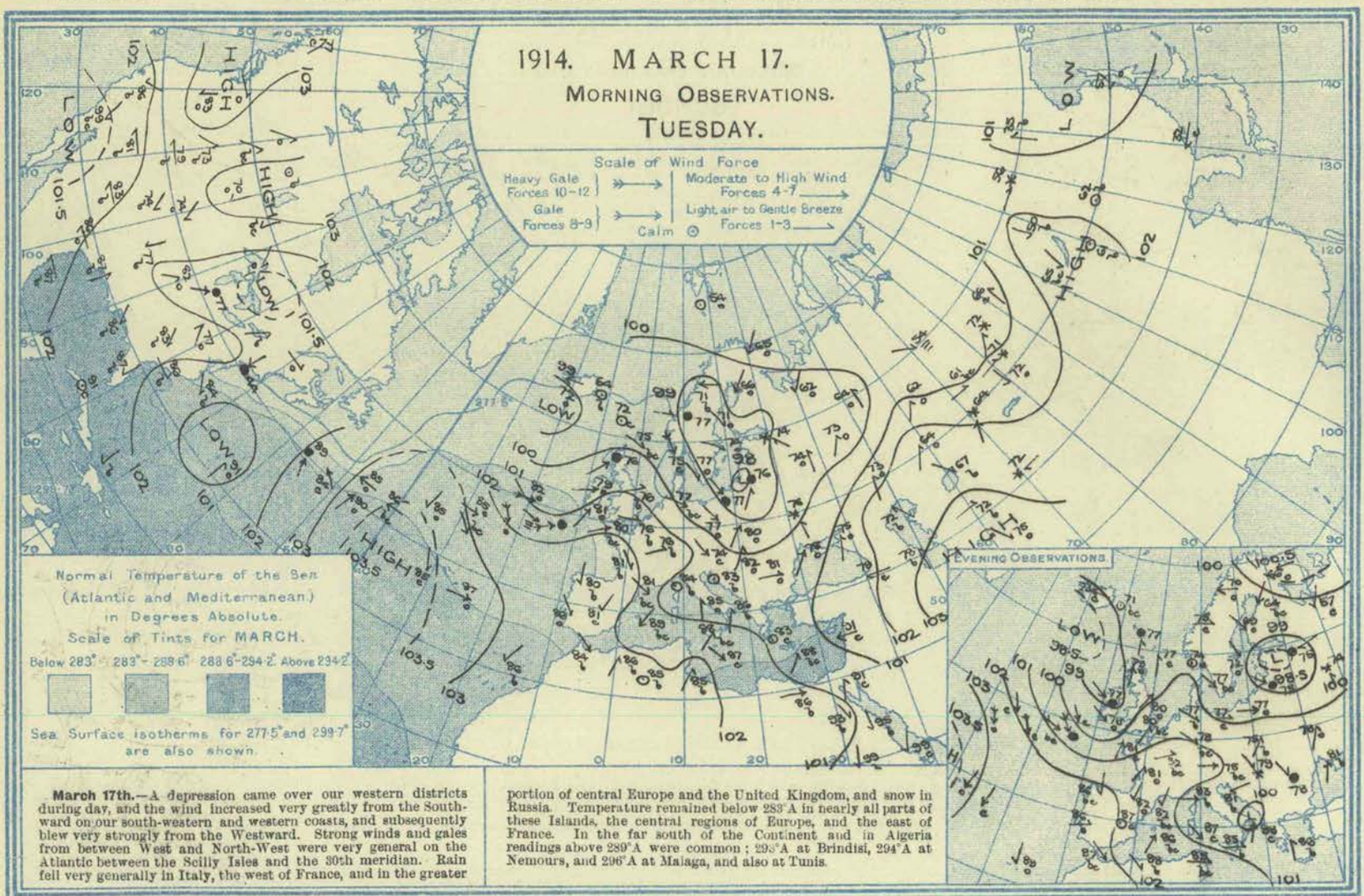
**Temperature of the Sea.**—The mean surface temperature of the sea in degrees Absolute, observed during the week to which the report refers, is shown in black on the last chart. The normal temperature for the month is indicated by the intensity of the blue shading and the scale shown in an inset. The isotherms for 277·5°A and 299·7°A are shown by blue lines.



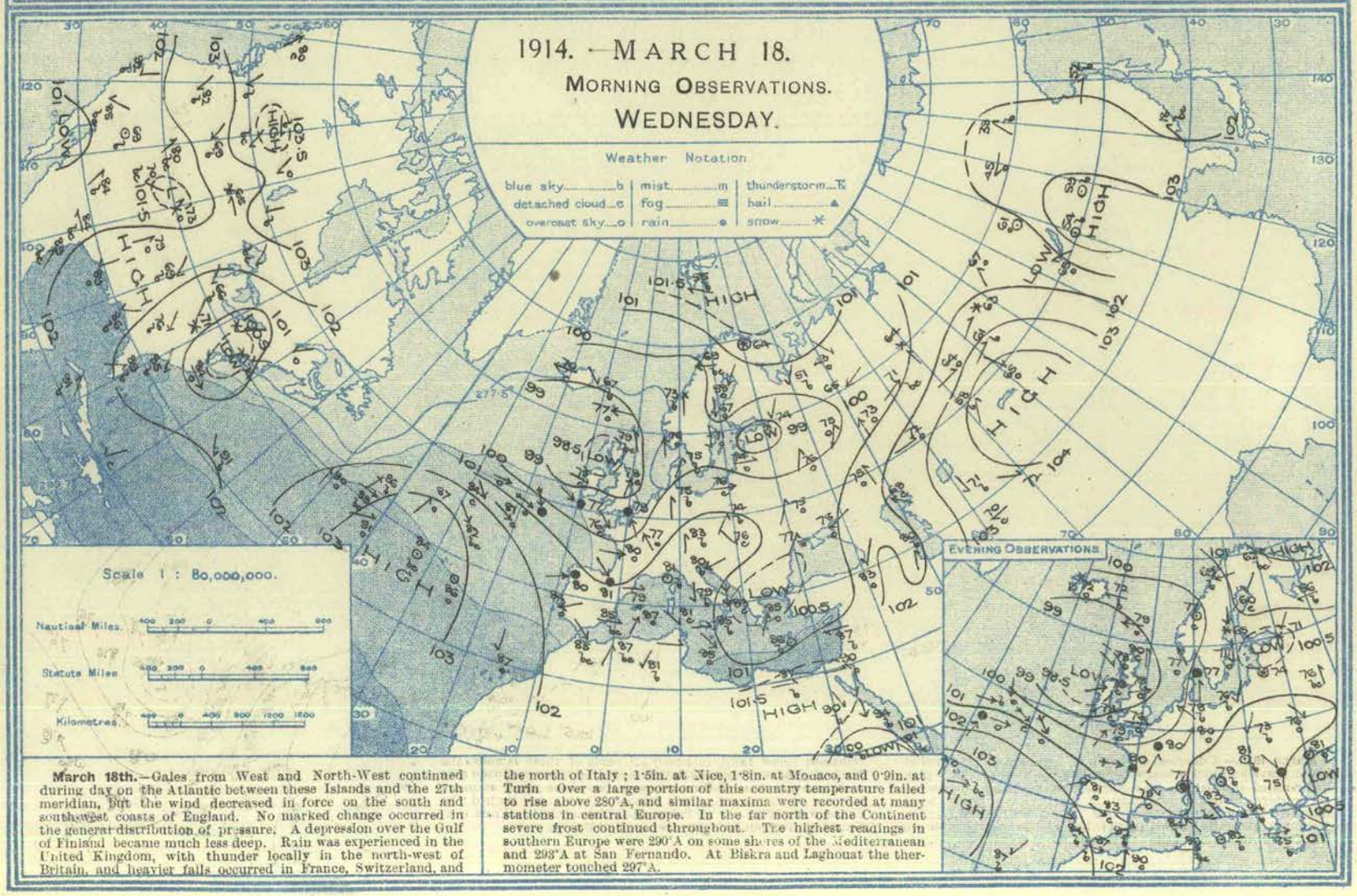

**March 15th.**—A depression approached Ireland by the evening, and during the night travelled eastward to England, causing the wind to blow a gale from West or North-West on many parts of our southern and western coasts. Rain fell very generally in these Islands, France, and the more northern countries of the Continent, the measurement being considerable in many localities. Temperature remained below 283°A at many stations in this country and in a few places in the Netherlands and central Europe, but rose to 289°A or above over a large area in southern Europe and Algeria. At Patras and Malaga the maximum was 293°A, and at Biskra 299°A. Frost continued in the far north and north-east of the Continent.



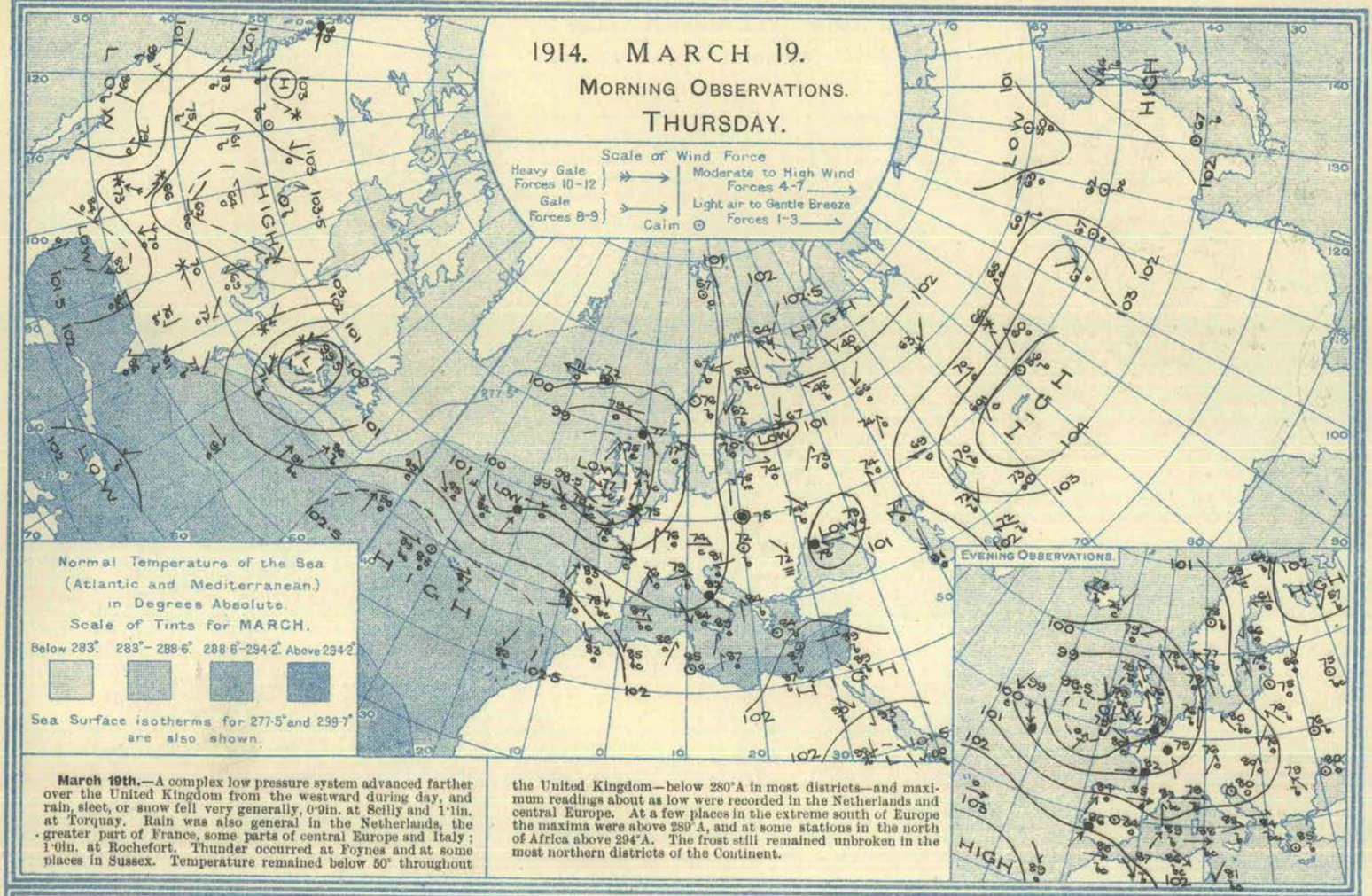

**March 16th.**—A depression having its centre near Liverpool at 7 a.m. travelled quickly eastward during the day, and by 6 p.m. had reached the Baltic. The North-Westerly gales subsided on our western coasts, but continued on the Channel, and the wind increased to a gale from that point over the North Sea region. Rain fell generally, the quantity being very considerable on the Continent; more than 1·1in. at Hamburg. Temperature remained below 183°A in nearly all parts of these Islands, the Netherlands, and Germany, but exceeded 185°A over a wide area in France and Austria-Hungary, and rose above 289°A at many stations further south. At Brindisi, Tunis, and Madrid the figure was 293°A, and at Palma and Biskra 294°A. Frost continued throughout the extreme north of Europe.



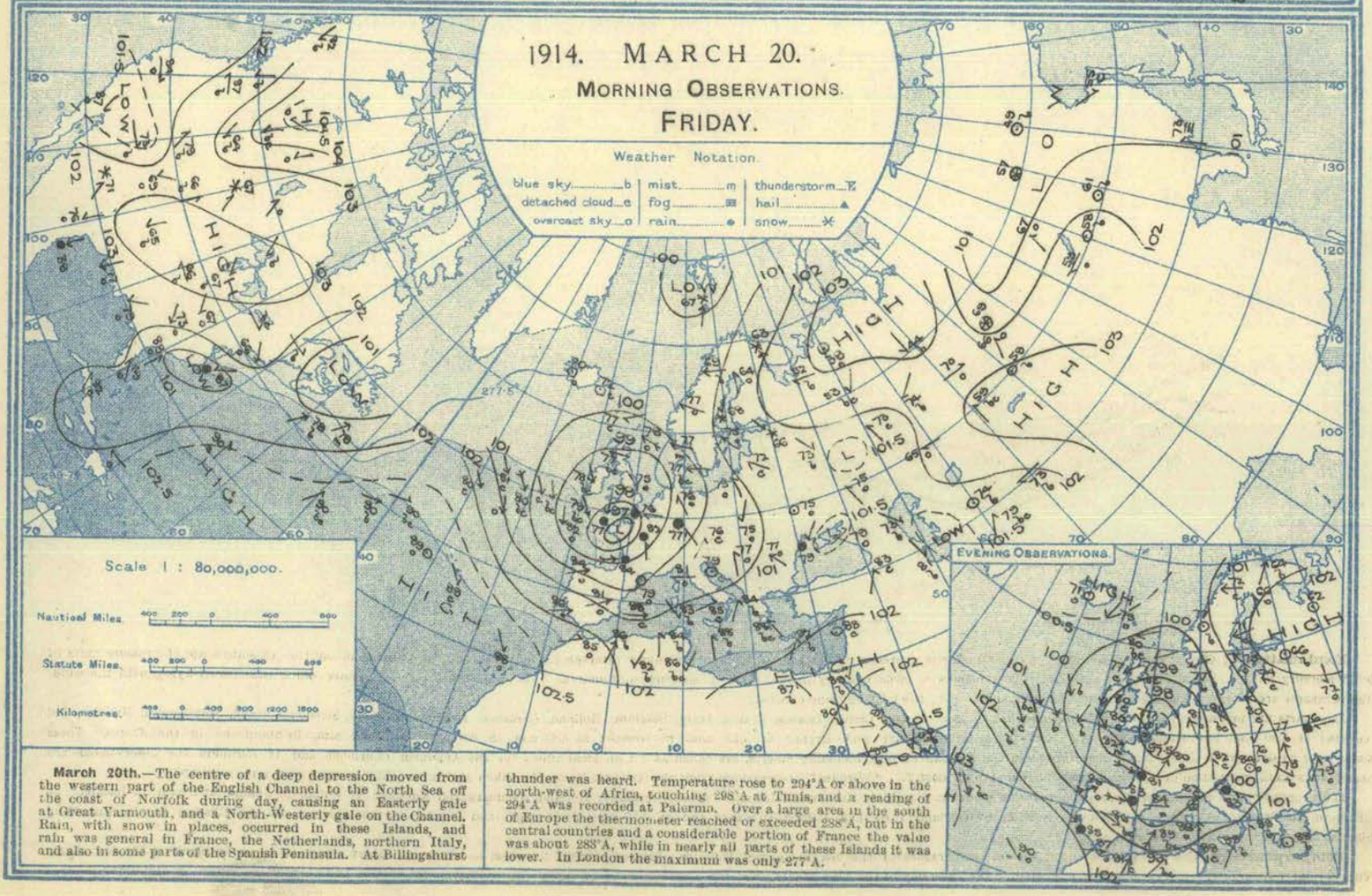

**March 17th.**—A depression came over our western districts during day, and the wind increased very greatly from the Southward on our south-western and western coasts, and subsequently blew very strongly from the Westward. Strong winds and gales from between West and North-West were very general on the Atlantic between the Scilly Isles and the 30th meridian. Rain fell very generally in Italy, the west of France, and in the greater portion of central Europe and the United Kingdom, and snow in Russia. Temperature remained below 283°A in nearly all parts of these Islands, the central regions of Europe, and the east of France. In the far south of the Continent and in Algeria readings above 289°A were common; 293°A at Brindisi, 294°A at Nemours, and 296°A at Malaga, and also at Tunis.



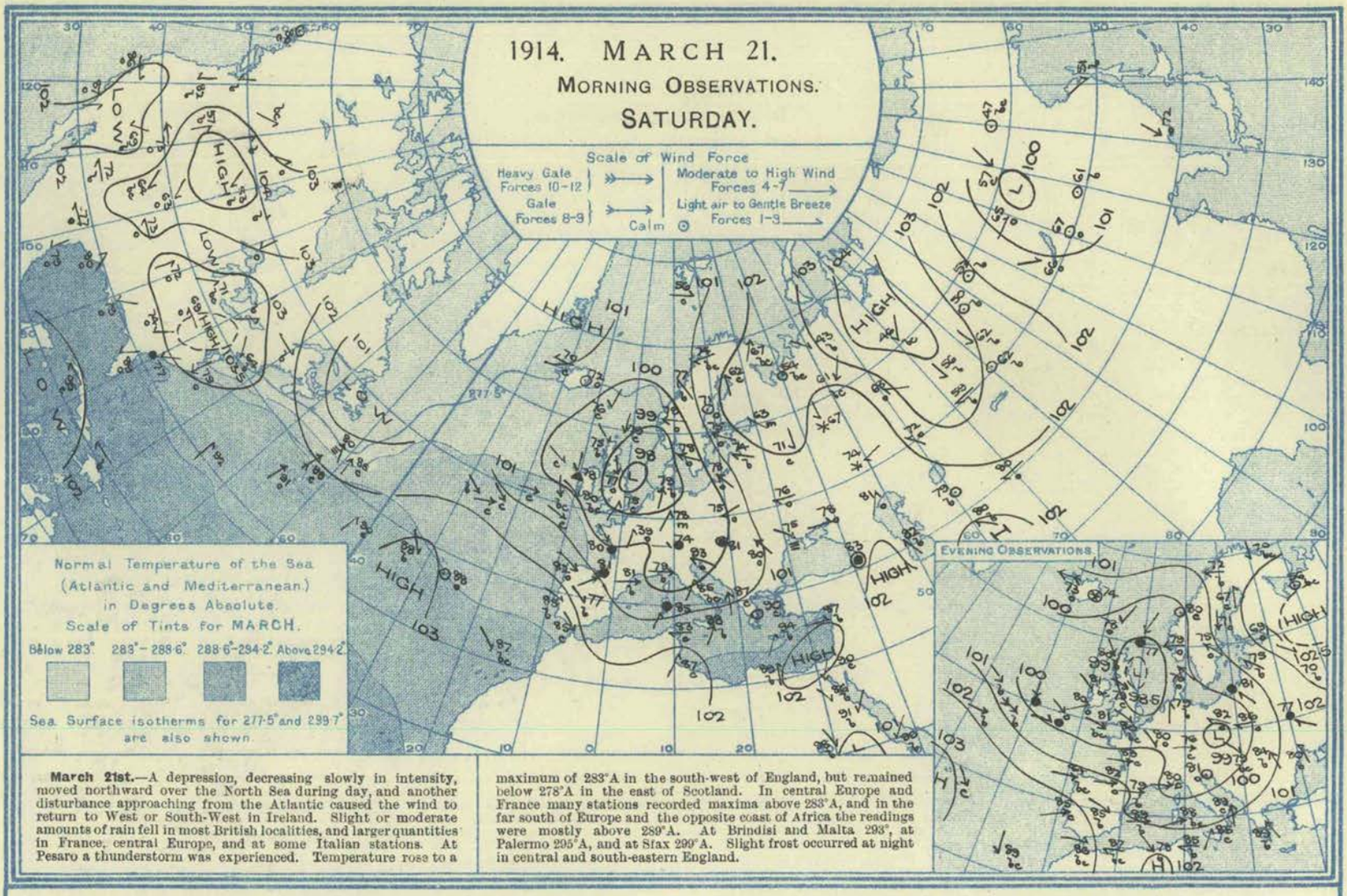

**March 18th.**—Gales from West and North-West continued during day on the Atlantic between these Islands and the 27th meridian, but the wind decreased in force on the south and southwest coasts of England. No marked change occurred in the general distribution of pressure. A depression over the Gulf of Finland became much less deep. Rain was experienced in the United Kingdom, with thunder locally in the north-west of Britain, and heavier falls occurred in France, Switzerland, and the north of Italy; 1·5in. at Nice, 1·8in. at Monaco, and 0·9in. at Turin. Over a large portion of this country temperature failed to rise above 280°A, and similar maxima were recorded at many stations in central Europe. In the far north of the Continent severe frost continued throughout. The highest readings in southern Europe were 290°A on some shores of the Mediterranean and 293°A at San Fernando. At Biskra and Laghouat the thermometer touched 297°A.




**March 19th.**—A complex low pressure system advanced farther over the United Kingdom from the westward during day, and rain, sleet, or snow fell very generally, 0·9in. at Scilly and 1·1in. at Torquay. Rain was also general in the Netherlands, the greater part of France, some parts of central Europe and Italy; 1·0in. at Rochefort. Thunder occurred at Foynes and at some places in Sussex. Temperature remained below 50° throughout the United Kingdom—below 280°A in most districts—and maximum readings about as low were recorded in the Netherlands and central Europe. At a few places in the extreme south of Europe the maxima were above 289°A, and at some stations in the north of Africa above 294°A. The frost still remained unbroken in the most northern districts of the Continent.

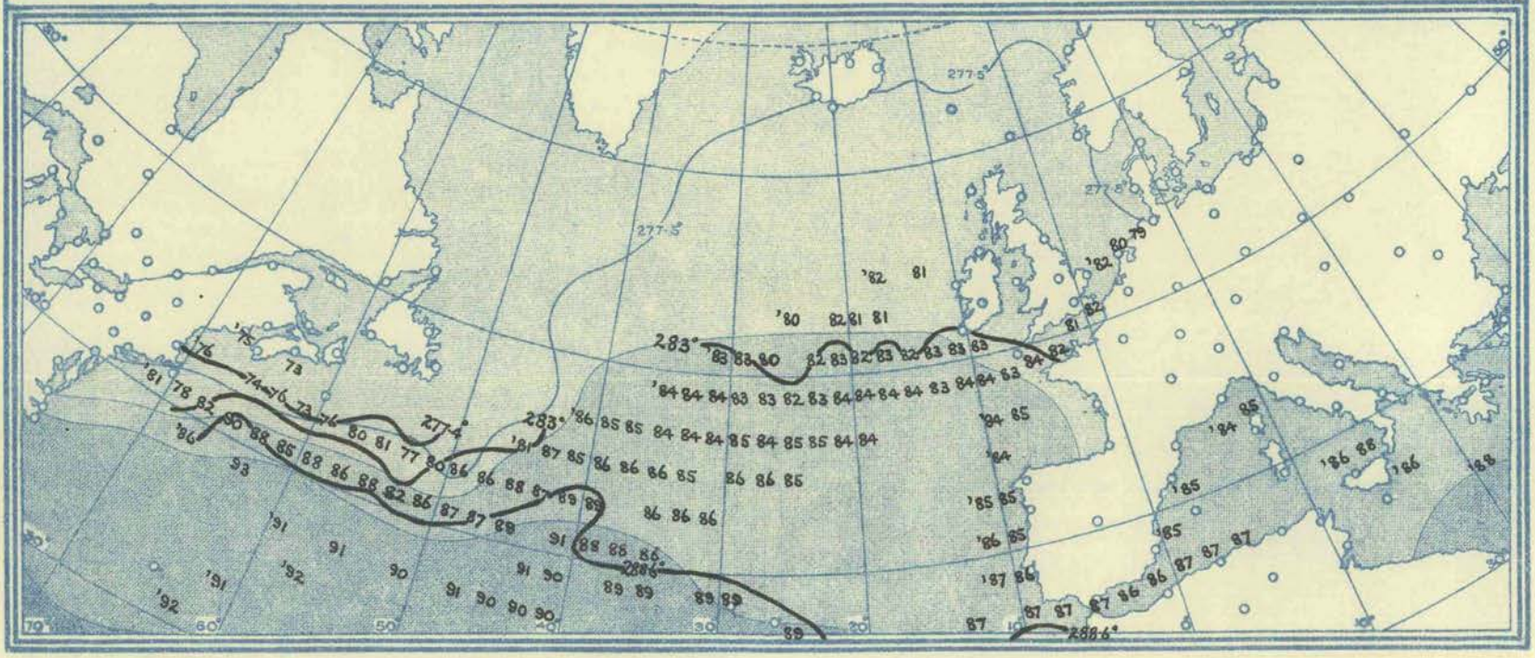



**March 20th.**—The centre of a deep depression moved from the western part of the English Channel to the North Sea off the coast of Norfolk during day, causing an Easterly gale at Great Yarmouth, and a North-Westerly gale on the Channel. Rain, with snow in places, occurred in these Islands, and rain was general in France, the Netherlands, northern Italy, and also in some parts of the Spanish Peninsula. At Billingshurst thunder was heard. Temperature rose to 294°A or above in the north-west of Africa, touching 298°A at Tunis, and a reading of 294°A was recorded at Palermo. Over a large area in the south of Europe the thermometer reached or exceeded 288°A, but in the central countries and a considerable portion of France the value was about 283°A, while in nearly all parts of these Islands it was lower. In London the maximum was only 277°A.




**March 21st.**—A depression, decreasing slowly in intensity, moved northward over the North Sea during day, and another disturbance approaching from the Atlantic caused the wind to return to West or South-West in Ireland. Slight or moderate amounts of rain fell in most British localities, and larger quantities in France, central Europe, and at some Italian stations. At Pesaro a thunderstorm was experienced. Temperature rose to a maximum of 283°A in the south-west of England, but remained below 278°A in the east of Scotland. In central Europe and France many stations recorded maxima above 283°A, and in the far south of Europe and the opposite coast of Africa the readings were mostly above 289°A. At Brindisi and Malta 293°, at Palermo 295°A, and at Sfax 299°A. Slight frost occurred at night in central and south-eastern England.

## *SURFACE TEMPERATURE of the SEA during the week ended Saturday, 21ST MARCH, 1914.*




**Explanation of Charts.**—The height of the barometer is expressed by isobars, which are drawn for intervals of one centibar, the equivalent on the absolute scale of pressure units of 0·295 mercury inches. 1 centibar = 10 millibars. 100 centibars = 29·53 mercury inches = 750·1 mercury millimetres. The winds are shown by arrows which are drawn flying with the wind. Temperatures are given in degrees Absolute, freezing point = 273°, the initial 2 being omitted.

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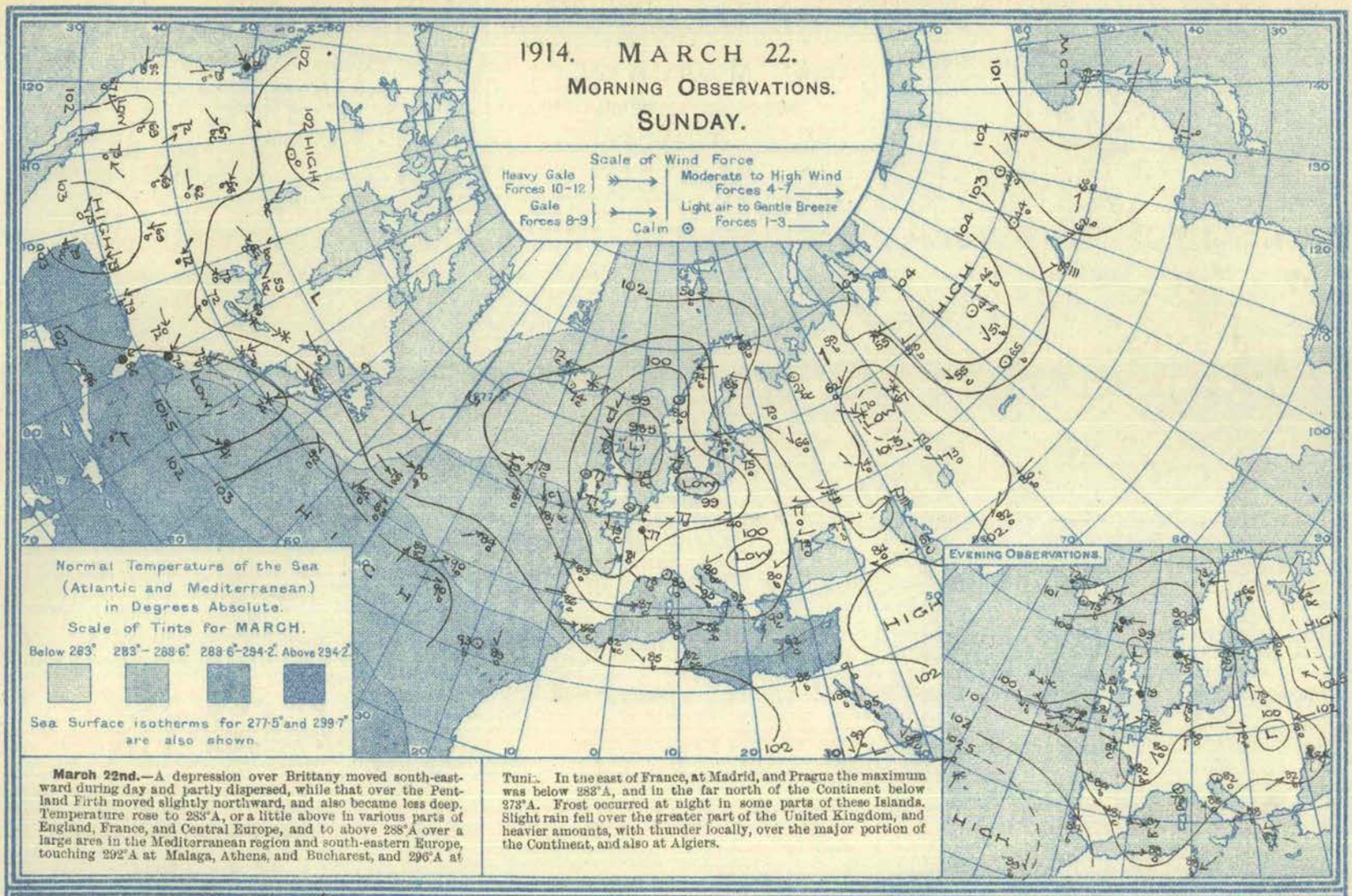
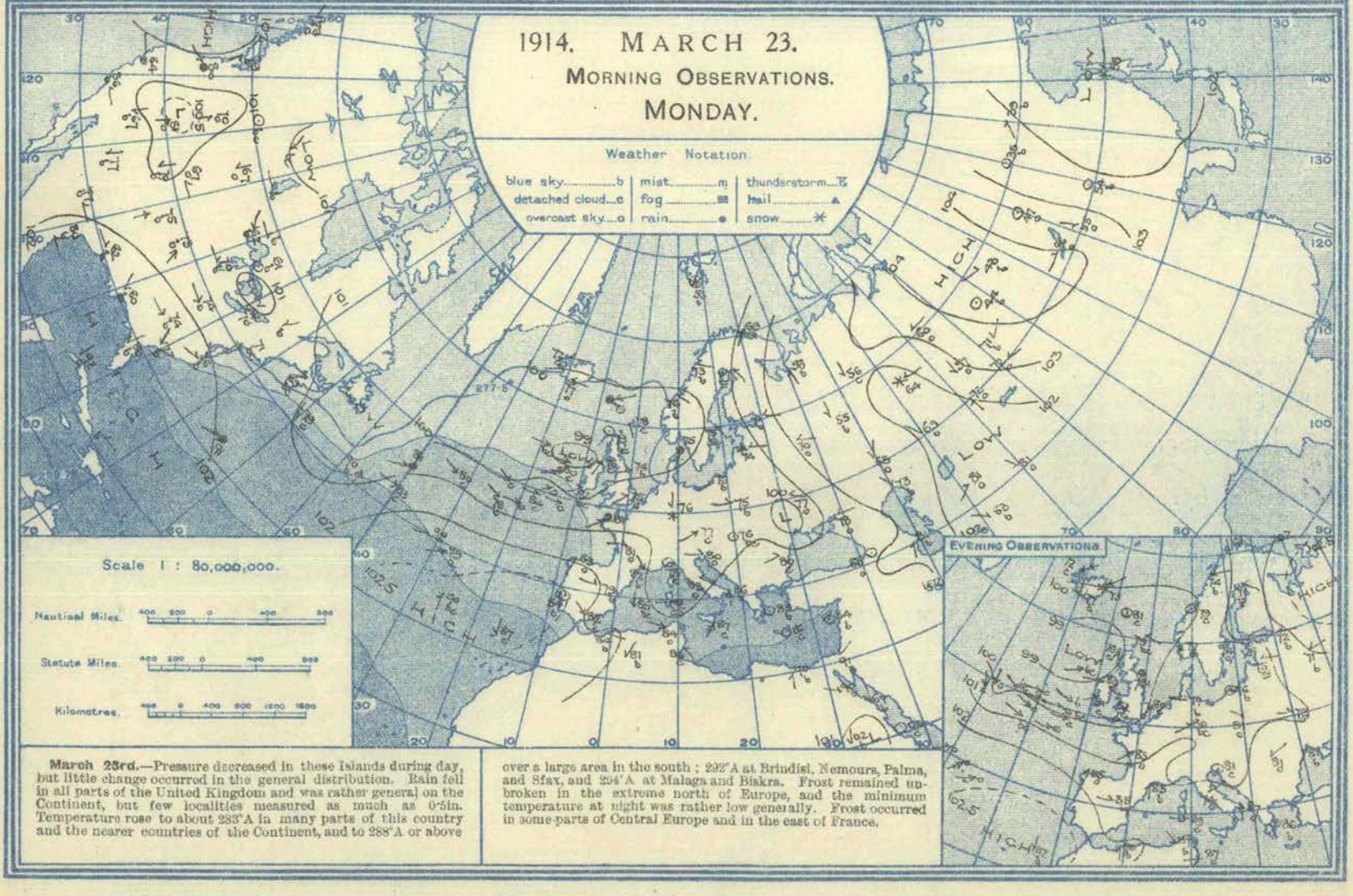
The evening charts are prepared from observations made at 6 p.m. in the British Islands, France, Germany, Holland, Denmark and Norway; at 4 p.m. in Spain; at 5 p.m. in Iceland; at 6.25 p.m. in Greece; at 8 p.m. in Belgium, Sweden, Switzerland, Italy and Austria-Hungary; and at 9.37 p.m. in Portugal and 9 p.m. in the Azores. In the Russian Empire (including Siberia) they are taken at 9 p.m. local time.

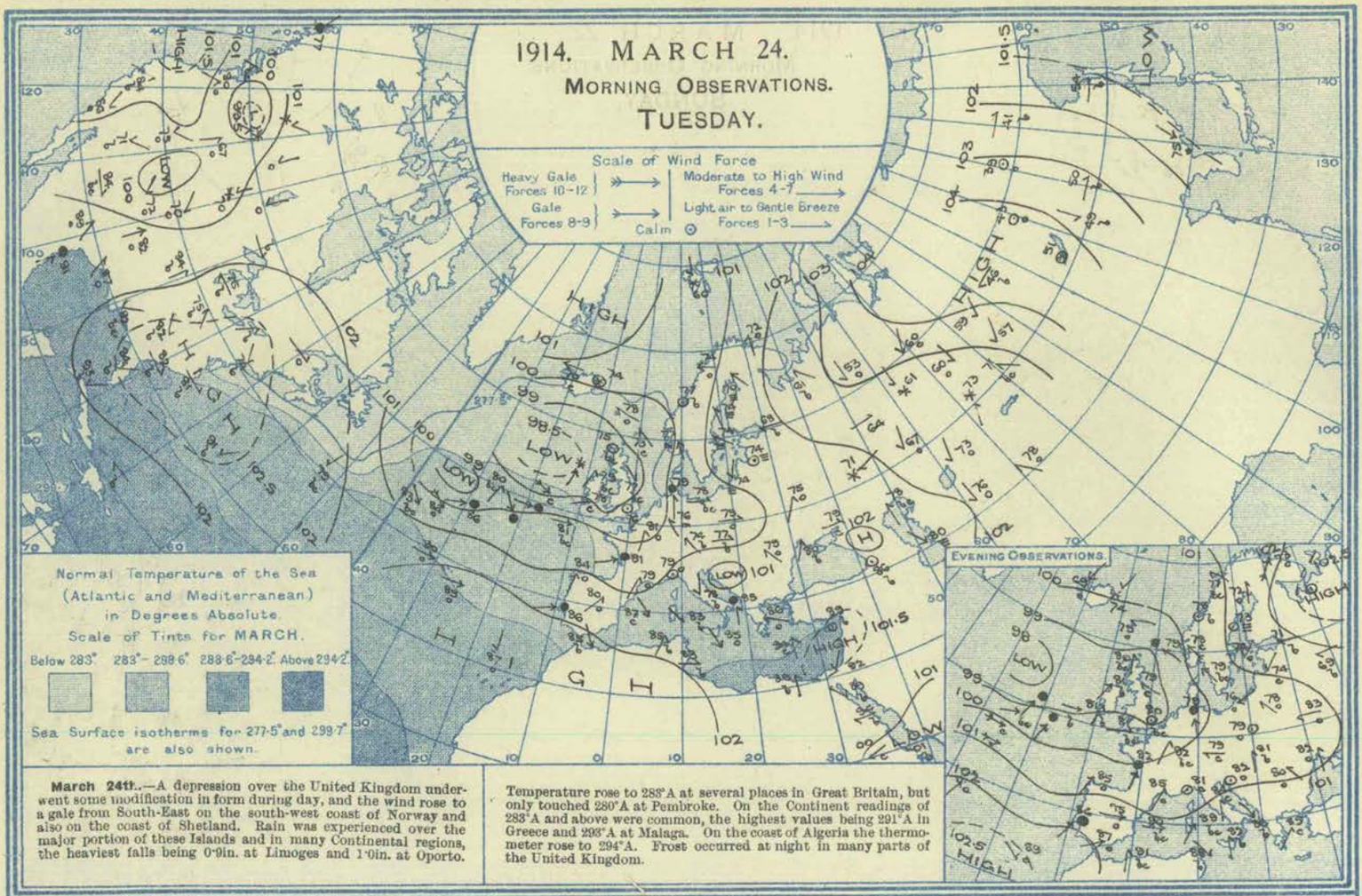
**Temperature of the Sea.**—The mean surface temperature of the sea in degrees Absolute, observed during the week to which the report refers, is shown in black on the last chart. The normal temperature for the month is indicated by the intensity of the blue shading and the scale shown in an inset. The isotherms for 277·5°A and 299·7°A are shown by blue lines.




**March 22nd.**—A depression over Brittany moved south-eastward during day and partly dispersed, while that over the Pentland Firth moved slightly northward, and also became less deep. Temperature rose to 283°A, or a little above in various parts of England, France, and Central Europe, and to above 288°A over a large area in the Mediterranean region and south-eastern Europe, touching 292°A at Malaga, Athens, and Bucharest, and 296°A at Tunis. In the east of France, at Madrid, and Prague the maximum was below 288°A, and in the far north of the Continent below 278°A. Frost occurred at night in some parts of these Islands. Slight rain fell over the greater part of the United Kingdom, and heavier amounts, with thunder locally, over the major portion of the Continent, and also at Algiers.

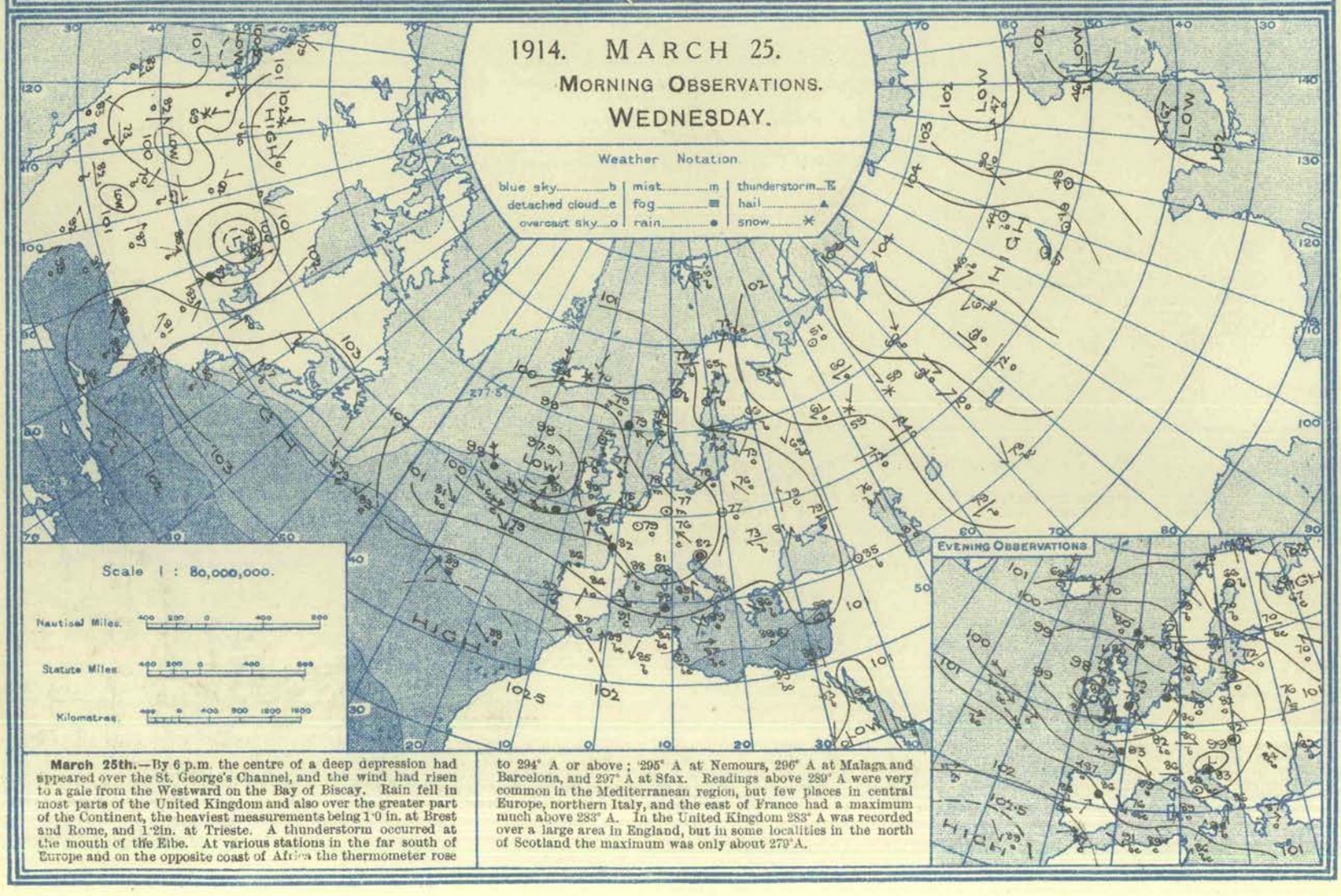



**March 23rd.**—Pressure decreased in these Islands during day, but little change occurred in the general distribution. Rain fell in all parts of the United Kingdom and was rather general on the Continent, but few localities measured as much as 0·5in. Temperature rose to about 283°A in many parts of this country and the nearer countries of the Continent, and to 288°A or above over a large area in the south; 292°A at Brindisi, Nemours, Palma, and Sfax, and 296°A at Malaga and Biskra. Frost remained unbroken in the extreme north of Europe, and the minimum temperature at night was rather low generally. Frost occurred in some parts of Central Europe and in the east of France.

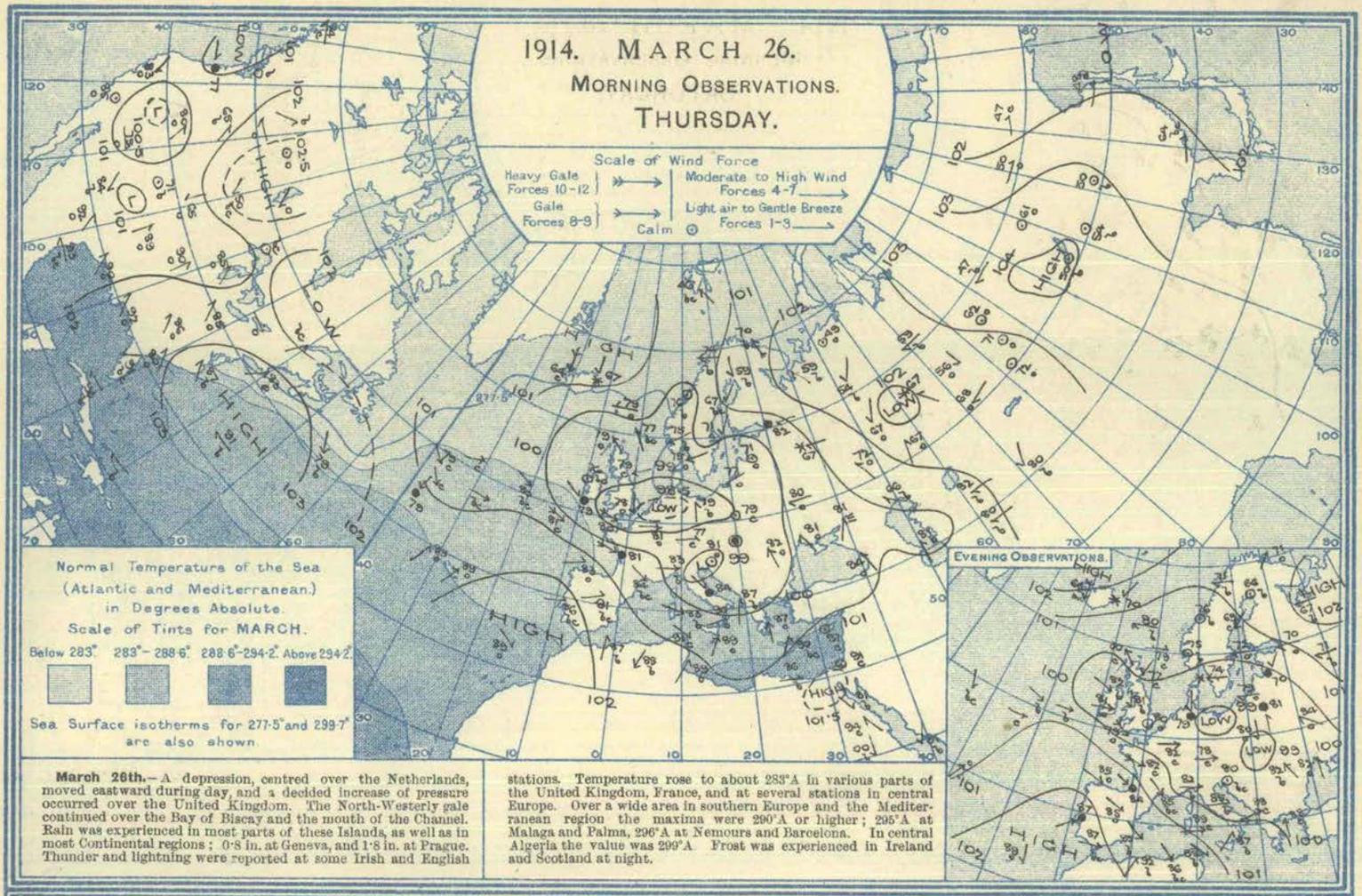



**March 24th.**—A depression over the United Kingdom underwent some modification in form during day, and the wind rose to a gale from South-East on the south-west coast of Norway and also on the coast of Shetland. Rain was experienced over the major portion of these Islands and in many Continental regions, the heaviest falls being 0·9in. at Limoges and 1·0in. at Oporto.

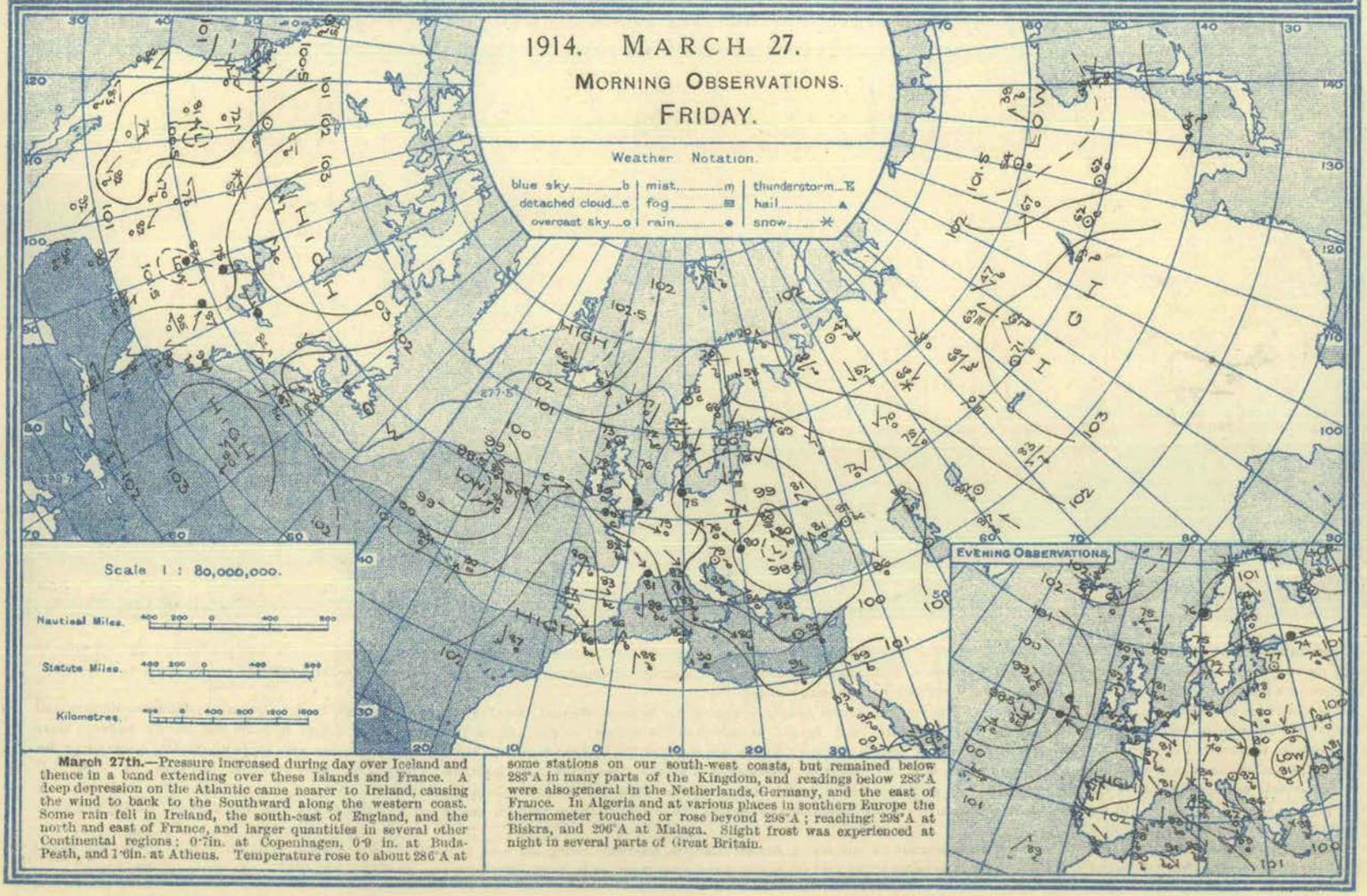
Temperature rose to 288°A at several places in Great Britain, but only touched 280°A at Pembroke. On the Continent readings of 283°A and above were common, the highest values being 291°A in Greece and 293°A at Malaga. On the coast of Algeria the thermometer rose to 294°A. Frost occurred at night in many parts of the United Kingdom.



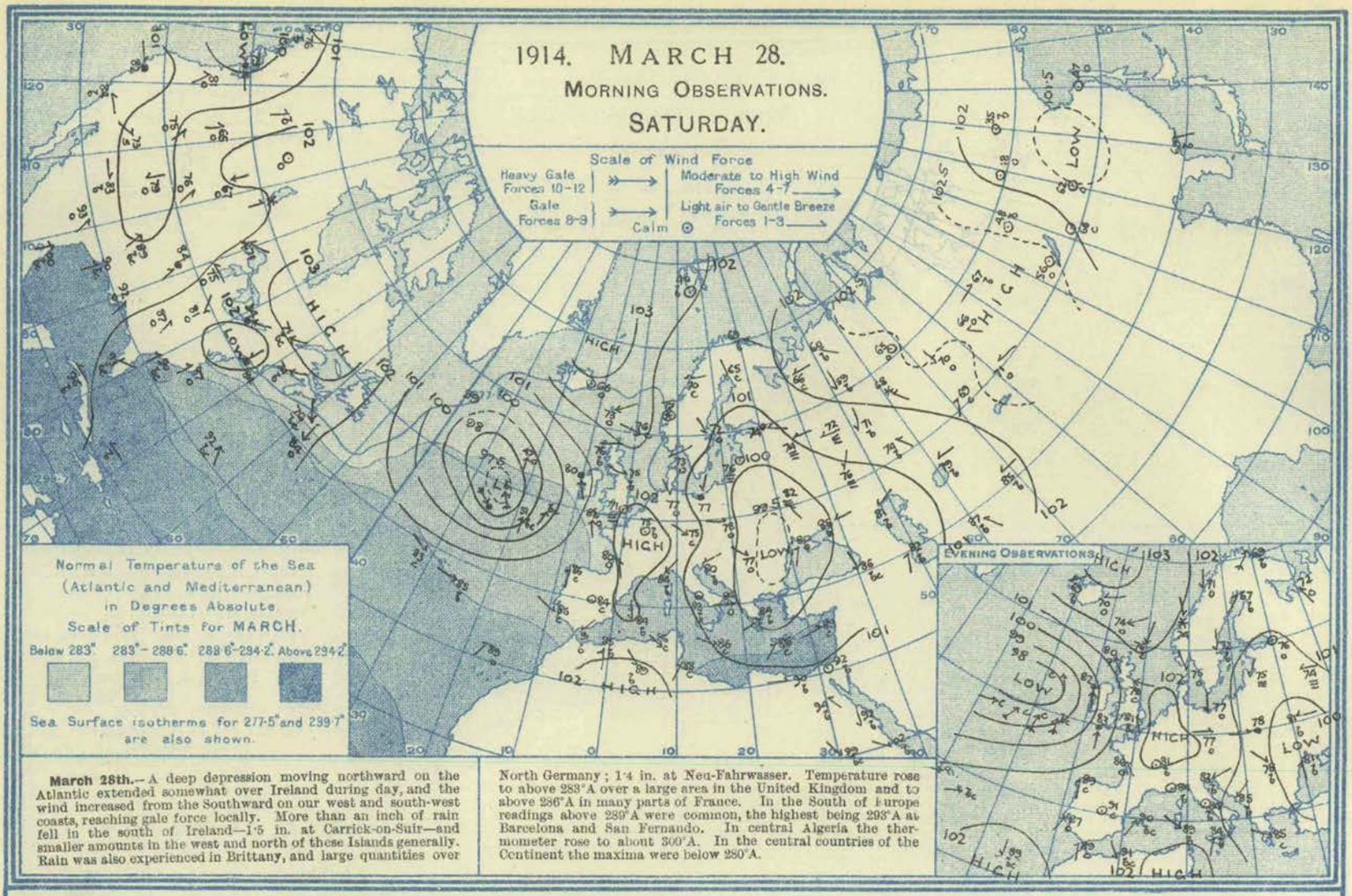

**March 25th.**—By 6 p.m. the centre of a deep depression had appeared over the St. George's Channel, and the wind had risen to a gale from the Westward on the Bay of Biscay. Rain fell in most parts of the United Kingdom and also over the greater part of the Continent, the heaviest measurements being 1·0 in. at Brest and Rome, and 1·2in. at Trieste. A thunderstorm occurred at the mouth of the Elbe. At various stations in the far south of Europe and on the opposite coast of Africa the thermometer rose to 294° A or above; 295° A at Nemours, 296° A at Malaga and Barcelona, and 297° A at Sfax. Readings above 289° A were very common in the Mediterranean region, but few places in central Europe, northern Italy, and the east of France had a maximum much above 283° A. In the United Kingdom 283° A was recorded over a large area in England, but in some localities in the north of Scotland the maximum was only about 279°A.




**March 26th.**—A depression, centred over the Netherlands, moved eastward during day, and a decided increase of pressure occurred over the United Kingdom. The North-Westerly gale continued over the Bay of Biscay and the mouth of the Channel. Rain was experienced in most parts of these Islands, as well as in most Continental regions; 0·8 in. at Geneva, and 1·8 in. at Prague. Thunder and lightning were reported at some Irish and English stations. Temperature rose to about 283°A in various parts of the United Kingdom, France, and at several stations in central Europe. Over a wide area in southern Europe and the Mediterranean region the maxima were 290°A or higher; 295°A at Malaga and Palma, 296°A at Nemours and Barcelona. In central Algeria the value was 299°A. Frost was experienced in Ireland and Scotland at night.

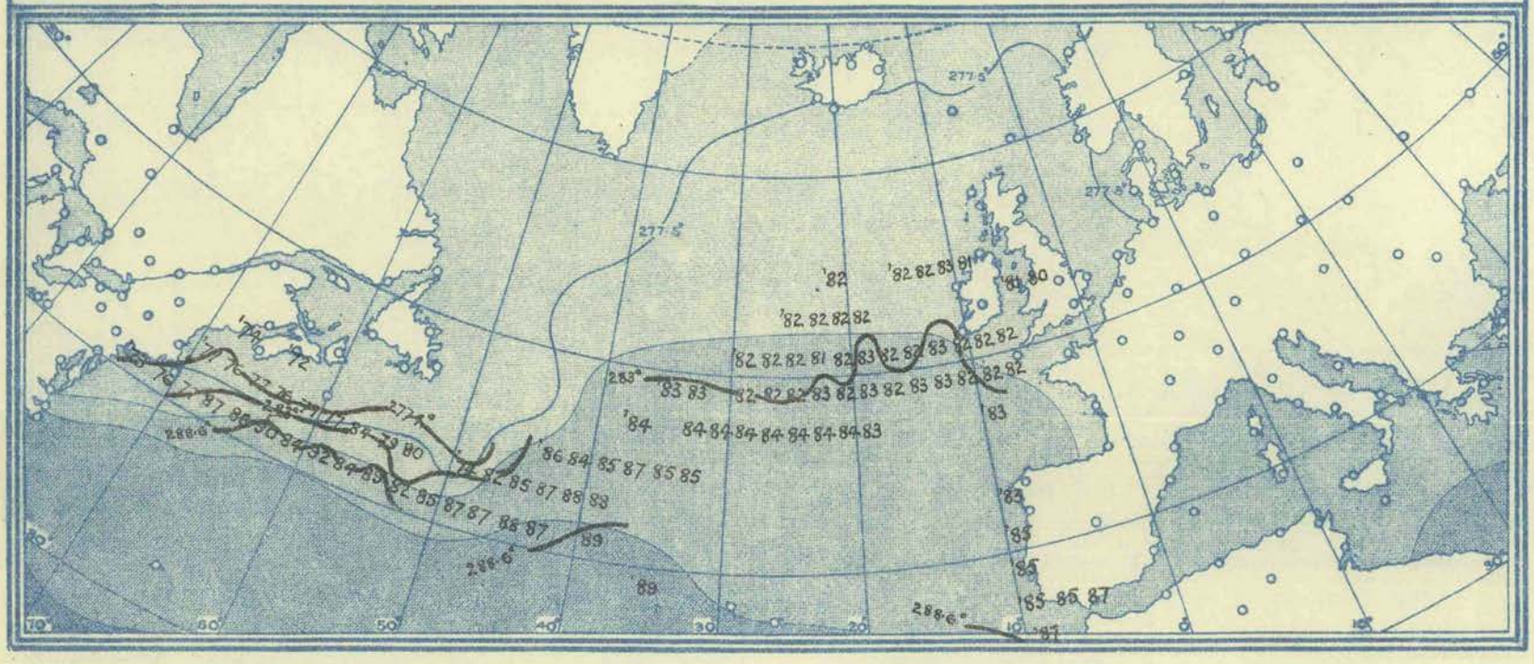



**March 27th.**—Pressure increased during day over Iceland and thence in a band extending over these Islands and France. A deep depression on the Atlantic came nearer to Ireland, causing the wind to back to the Southward along the western coast. Some rain fell in Ireland, the south-east of England, and the north and east of France, and larger quantities in several other Continental regions; 0·7in. at Copenhagen, 0·9 in. at Buda-Pesth, and 1·6in. at Athens. Temperature rose to about 286°A at some stations on our south-west coasts, but remained below 283°A in many parts of the Kingdom, and readings below 283°A were also general in the Netherlands, Germany, and the east of France. In Algeria and at various places in southern Europe the thermometer touched or rose beyond 295°A; reaching 298°A at Biskra, and 296°A at Malaga. Slight frost was experienced at night in several parts of Great Britain.




**March 28th.**—A deep depression moving northward on the Atlantic extended somewhat over Ireland during day, and the wind increased from the Southward on our west and south-west coasts, reaching gale force locally. More than an inch of rain fell in the south of Ireland—1·5 in. at Carrick-on-Suir—and smaller amounts in the west and north of these Islands generally. Rain was also experienced in Brittany, and large quantities over North Germany; 1·4 in. at Neu-Fahrwasser. Temperature rose to above 283°A over a large area in the United Kingdom and to above 286°A in many parts of France. In the South of Europe readings above 289°A were common, the highest being 293°A at Barcelona and San Fernando. In central Algeria the thermometer rose to about 300°A. In the central countries of the Continent the maxima were below 280°A.

## SURFACE TEMPERATURE of the SEA during the week ended Saturday, 28TH MARCH, 1914.

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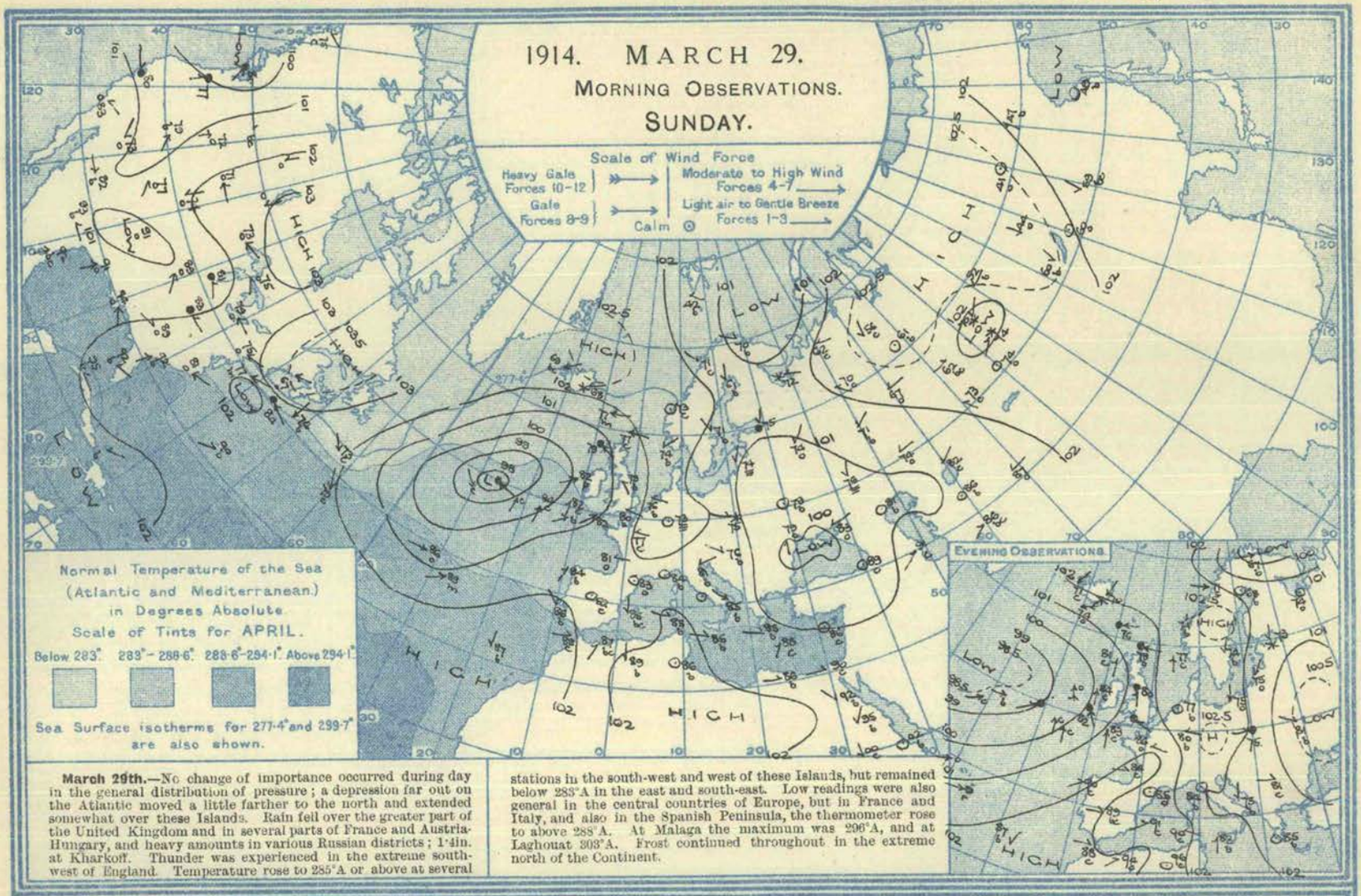
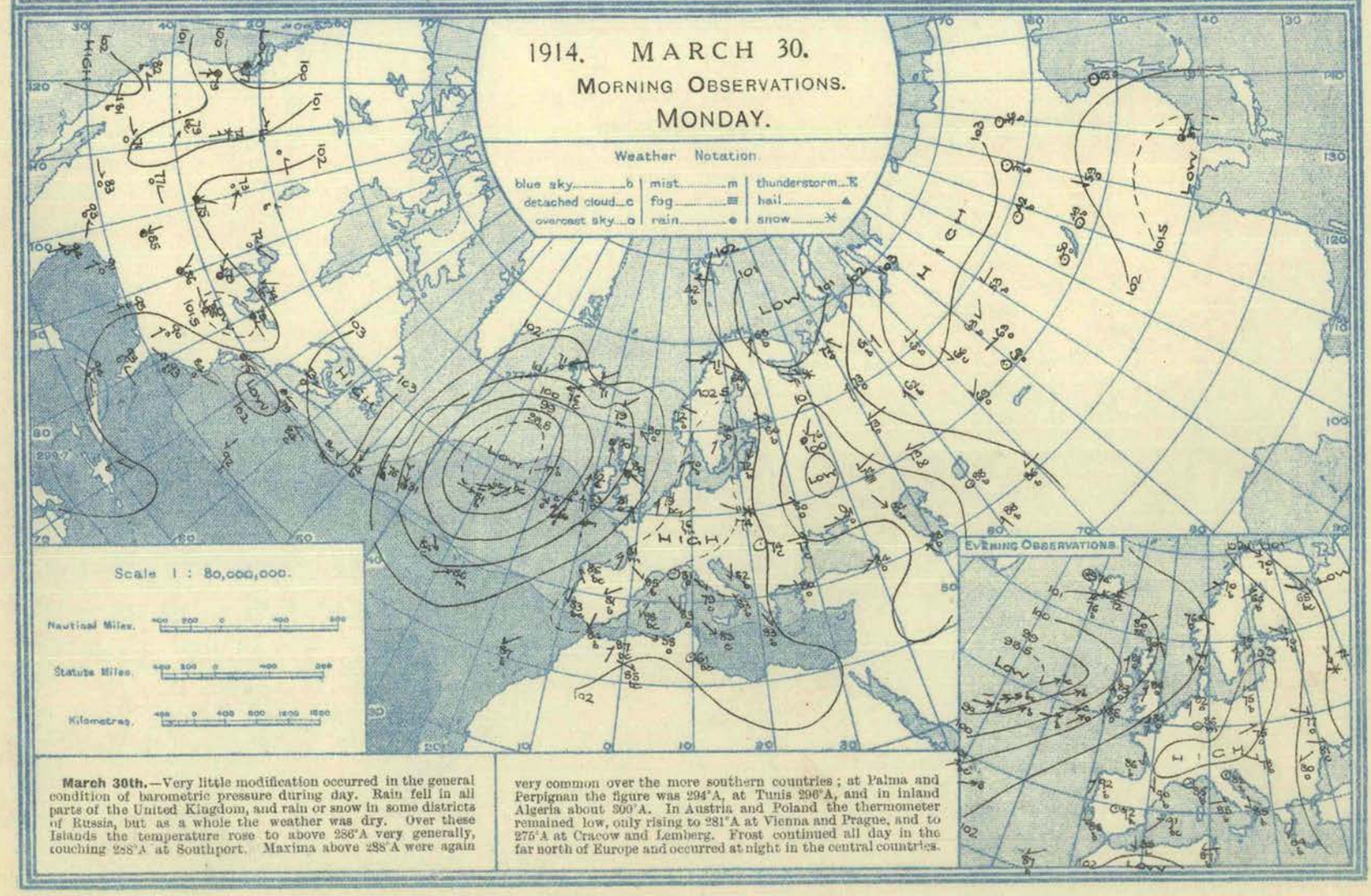
The evening charts are prepared from observations made at 6 p.m. in the British Islands, France, Germany, Holland, Denmark and Norway; at 4 p.m. in Spain; at 5 p.m. in Iceland; at 6.25 p.m. in Greece; at 8 p.m. in Belgium, Sweden, Switzerland, Italy and Austria-Hungary; and at 9.37 p.m. in Portugal and 9 p.m. in the Azores. In the Russian Empire (including Siberia) they are taken at 9 p.m. local time.

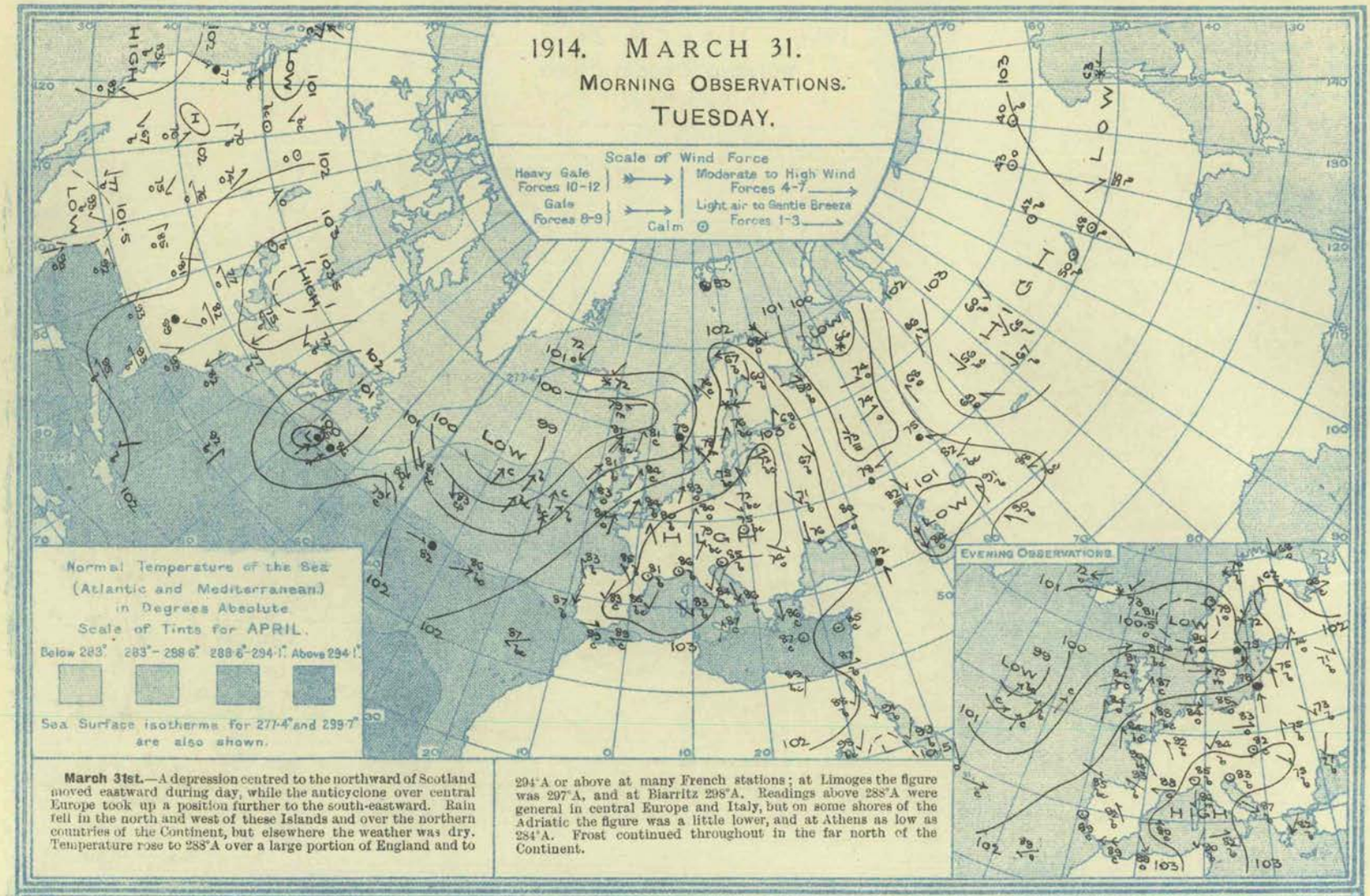
**Temperature of the Sea.**—The mean surface temperature of the sea in degrees Absolute, observed during the week to which the report refers, is shown in black on the last chart. The normal temperature for the month is indicated by the intensity of the blue shading and the scale shown in an inset. The isotherms for 277·5°A and 299·7°A are shown by blue lines.



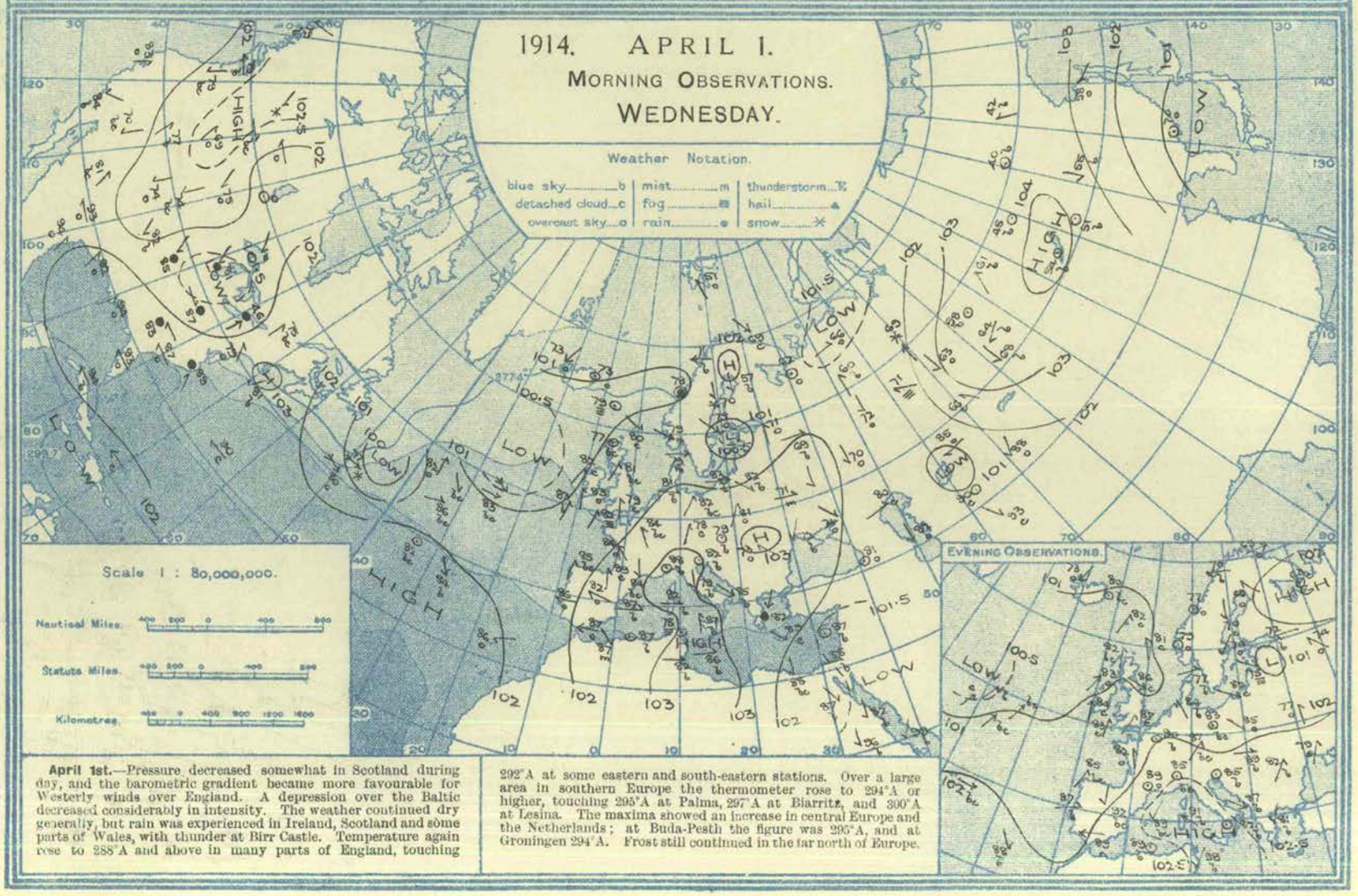

**March 29th.**—No change of importance occurred during day in the general distribution of pressure; a depression far out on the Atlantic moved a little farther to the north and extended somewhat over these Islands. Rain fell over the greater part of the United Kingdom and in several parts of France and Austria-Hungary, and heavy amounts in various Russian districts; 1·4in. at Kharkoff. Thunder was experienced in the extreme south-west of England. Temperature rose to 285°A or above at several stations in the south-west and west of these Islands, but remained below 283°A in the east and south-east. Low readings were also general in the central countries of Europe, but in France and Italy, and also in the Spanish Peninsula, the thermometer rose to above 288°A. At Malaga the maximum was 296°A, and at Laghouat 303°A. Frost continued throughout in the extreme north of the Continent.



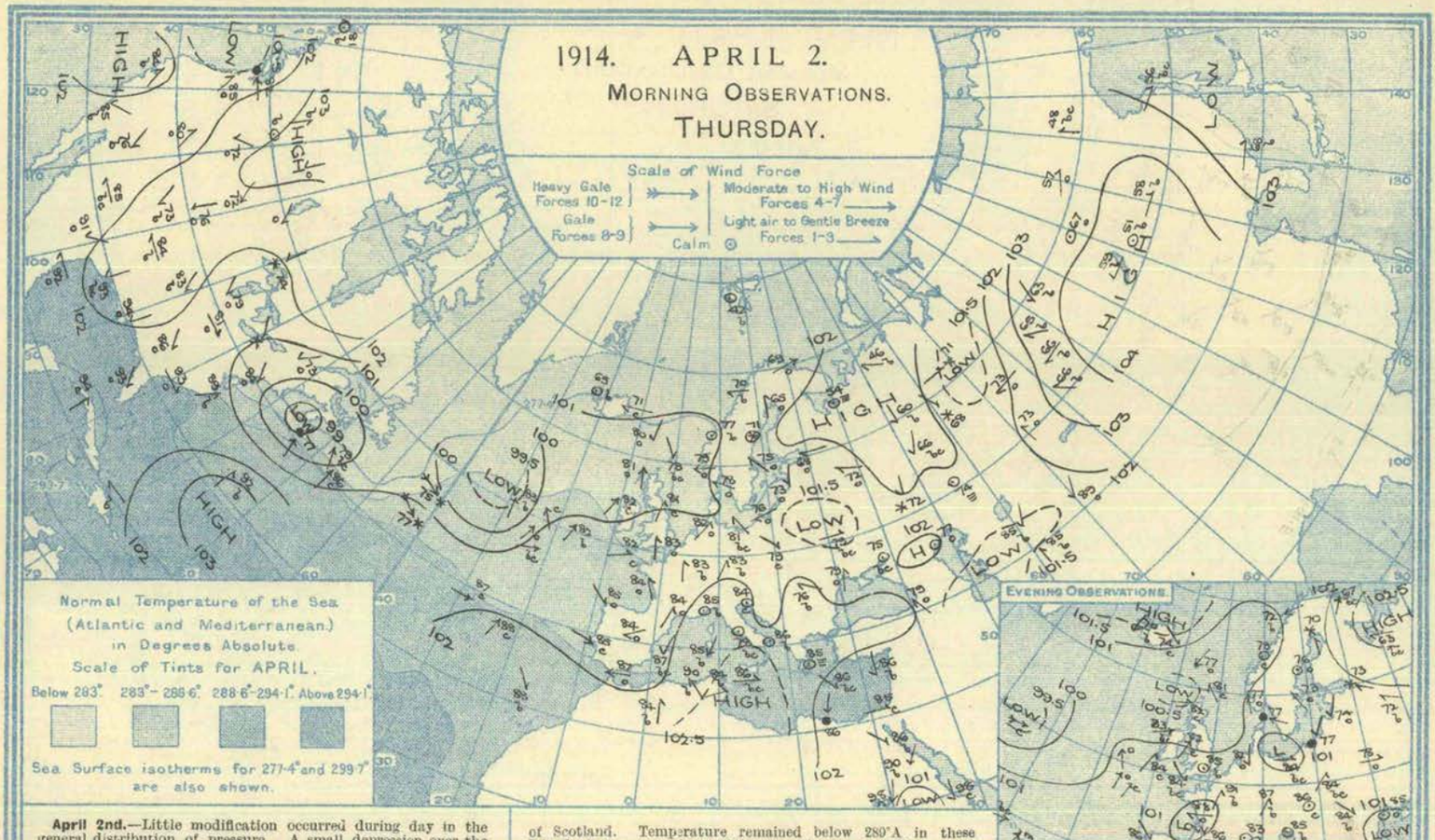

**March 30th.**—Very little modification occurred in the general condition of barometric pressure during day. Rain fell in all parts of the United Kingdom, and rain or snow in some districts of Russia, but as a whole the weather was dry. Over these Islands the temperature rose to above 286°A very generally, touching 288°A at Southport. Maxima above 288°A were again very common over the more southern countries; at Palma and Perpignan the figure was 294°A, at Tunis 296°A, and in inland Algeria about 300°A. In Austria and Poland the thermometer remained low, only rising to 281°A at Vienna and Prague, and to 275°A at Cracow and Lemberg. Frost continued all day in the far north of Europe and occurred at night in the central countries.



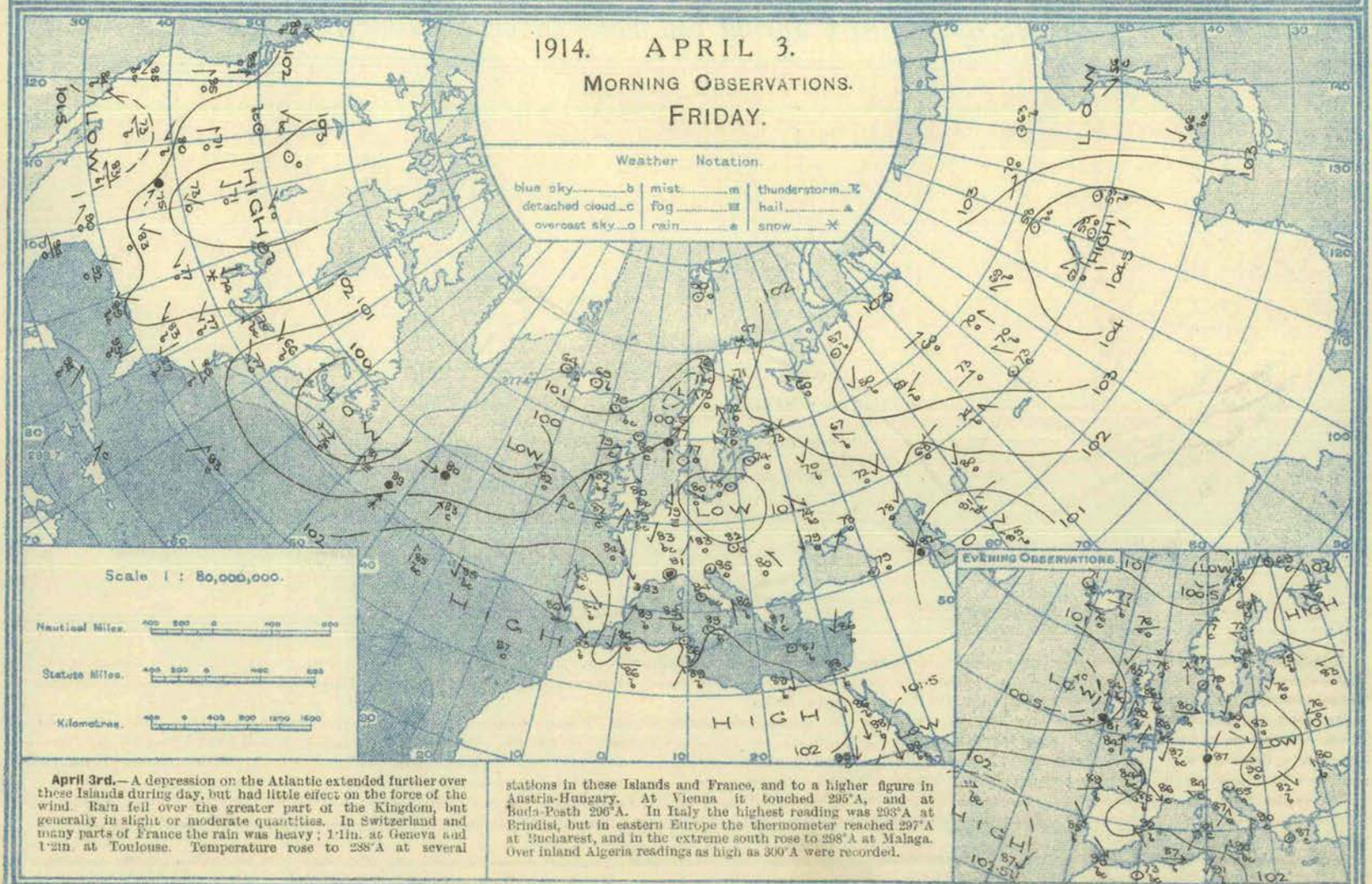

**March 31st.**—A depression centred to the northward of Scotland moved eastward during day, while the anticyclone over central Europe took up a position further to the south-eastward. Rain fell in the north and west of these Islands and over the northern countries of the Continent, but elsewhere the weather was dry. Temperature rose to 288°A over a large portion of England and to 294°A or above at many French stations; at Limoges the figure was 297°A, and at Biarritz 298°A. Readings above 288°A were general in central Europe and Italy, but on some shores of the Adriatic the figure was a little lower, and at Athens as low as 284°A. Frost continued throughout in the far north of the Continent.



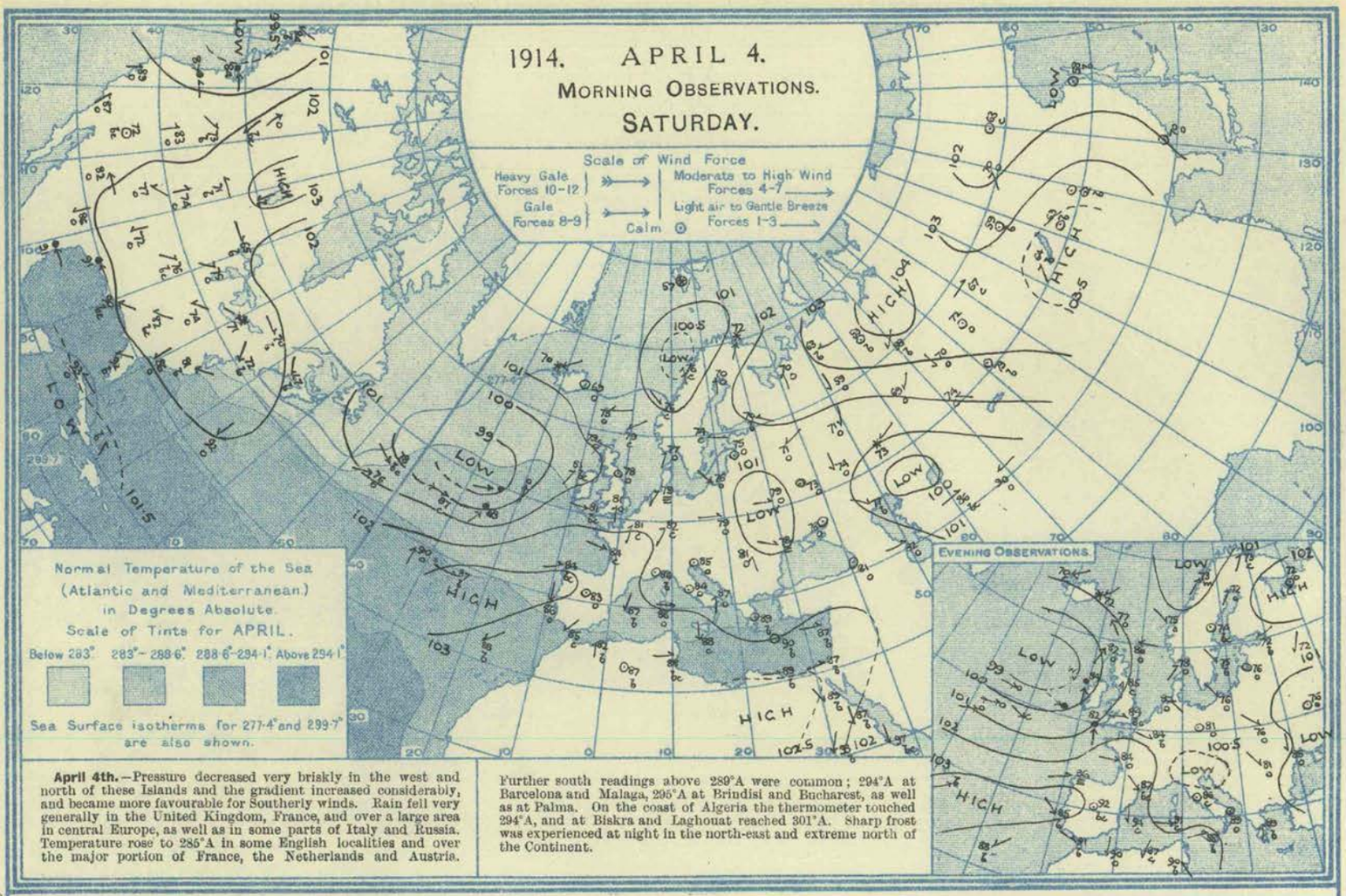

**April 1st.**—Pressure decreased somewhat in Scotland during day, and the barometric gradient became more favourable for Westerly winds over England. A depression over the Baltic decreased considerably in intensity. The weather continued dry generally, but rain was experienced in Ireland, Scotland and some parts of Wales, with thunder at Birr Castle. Temperature again rose to 288°A and above in many parts of England, touching 292°A at some eastern and south-eastern stations. Over a large area in southern Europe the thermometer rose to 294°A or higher, touching 295°A at Palma, 297°A at Biarritz, and 300°A at Lesina. The maxima showed an increase in central Europe and the Netherlands; at Buda-Pesth the figure was 295°A, and at Groningen 294°A. Frost still continued in the far north of Europe.




**April 2nd.**—Little modification occurred during day in the general distribution of pressure. A small depression over the Bay of Biscay moved eastward and became rather deeper. Rain was experienced over the greater part of the United Kingdom, France and central Europe, and also in the north of Spain, the largest measurement being 1·1in. at Bilbao, where thunder and lightning occurred. Thunder was heard locally in the north-east of Scotland. Temperature remained below 289°A in these Islands, but rose to above 294°A over a large area in France and the south of Europe, and touched that figure at Carlsruhe and Vienna. At Toulouse the maximum was 297°A, and at Biarritz 298°A, while at Tunis it was 300°A. Maxima below 278°A were again recorded in the extreme north of Europe.



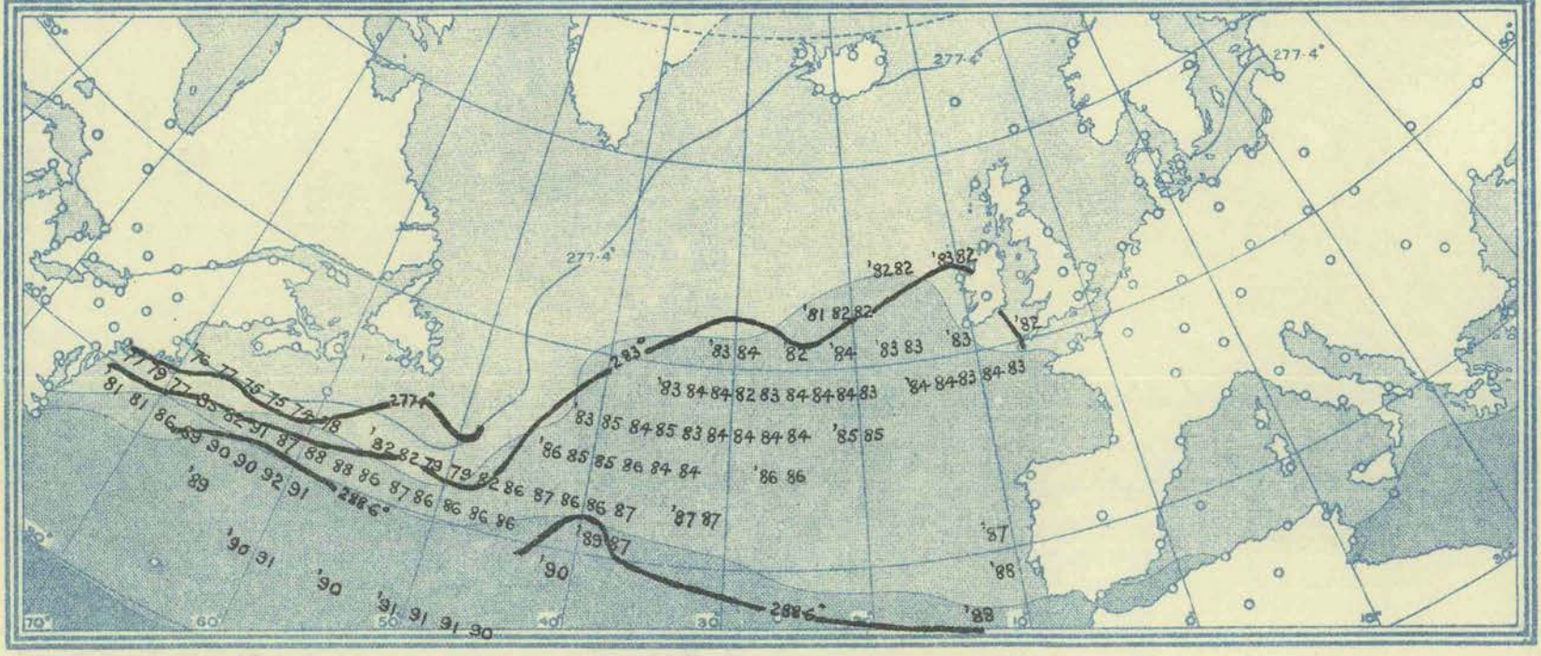

**April 3rd.**—A depression on the Atlantic extended further over these Islands during day, but had little effect on the force of the wind. Rain fell over the greater part of the Kingdom, but generally in slight or moderate quantities. In Switzerland and many parts of France the rain was heavy; 1·1in. at Geneva and 1·2in. at Toulouse. Temperature rose to 288°A at several stations in these Islands and France, and to a higher figure in Austria-Hungary. At Vienna it touched 295°A, and at Buda-Pesth 296°A. In Italy the highest reading was 293°A at Brindisi, but in eastern Europe the thermometer reached 297°A at Bucharest, and in the extreme south rose to 298°A at Malaga. Over inland Algeria readings as high as 309°A were recorded.




**April 4th.**—Pressure decreased very briskly in the west and north of these Islands and the gradient increased considerably, and became more favourable for Southerly winds. Rain fell very generally in the United Kingdom, France, and over a large area in central Europe, as well as in some parts of Italy and Russia. Temperature rose to 285°A in some English localities and over the major portion of France, the Netherlands and Austria.

Further south readings above 289°A were common; 294°A at Barcelona and Malaga, 295°A at Brindisi and Bucharest, as well as at Palma. On the coast of Algeria the thermometer touched 294°A, and at Biskra and Laghouat reached 301°A. Sharp frost was experienced at night in the north-east and extreme north of the Continent.

## SURFACE TEMPERATURE of the SEA during the week ended Saturday, 4TH APRIL, 1914.

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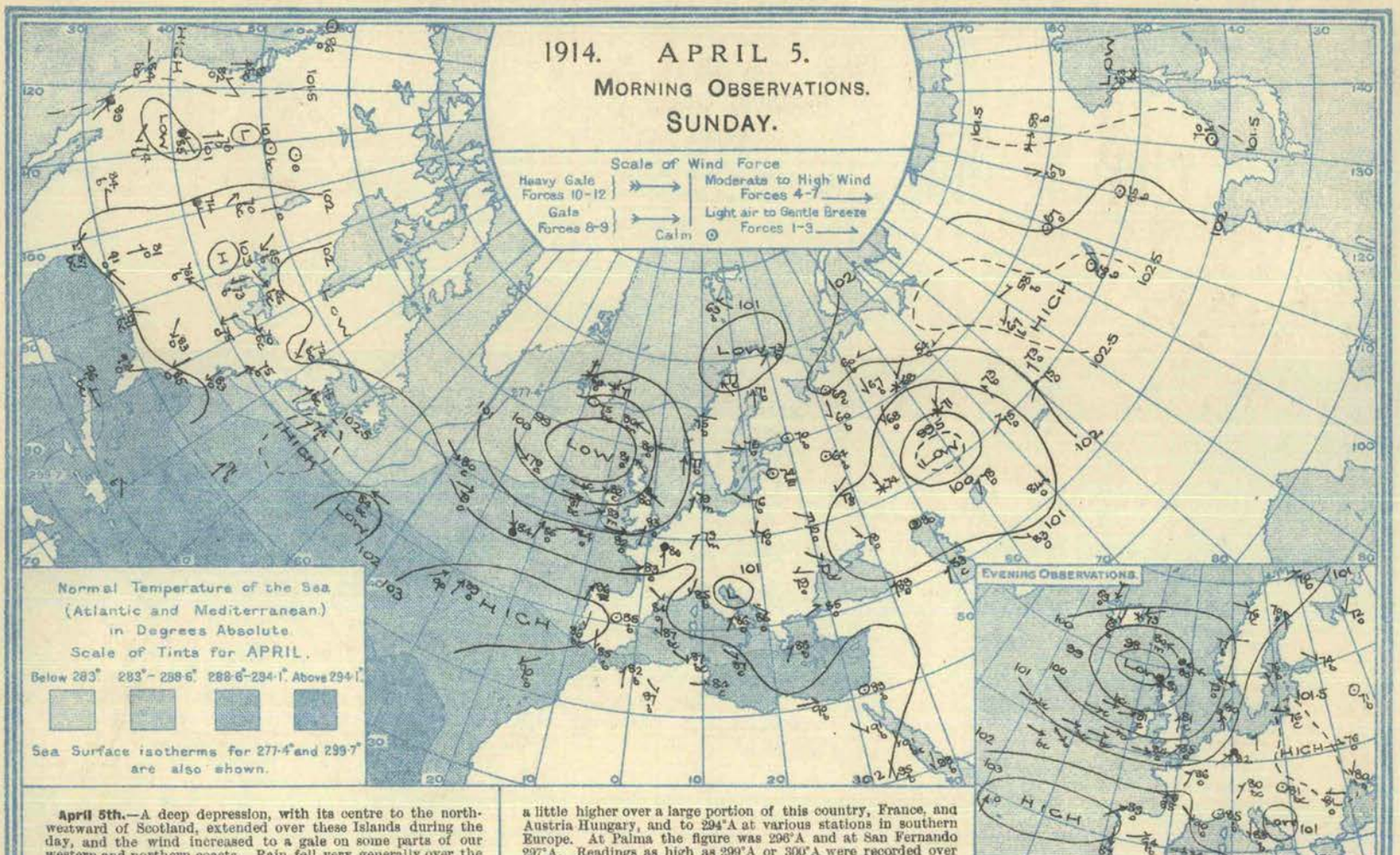
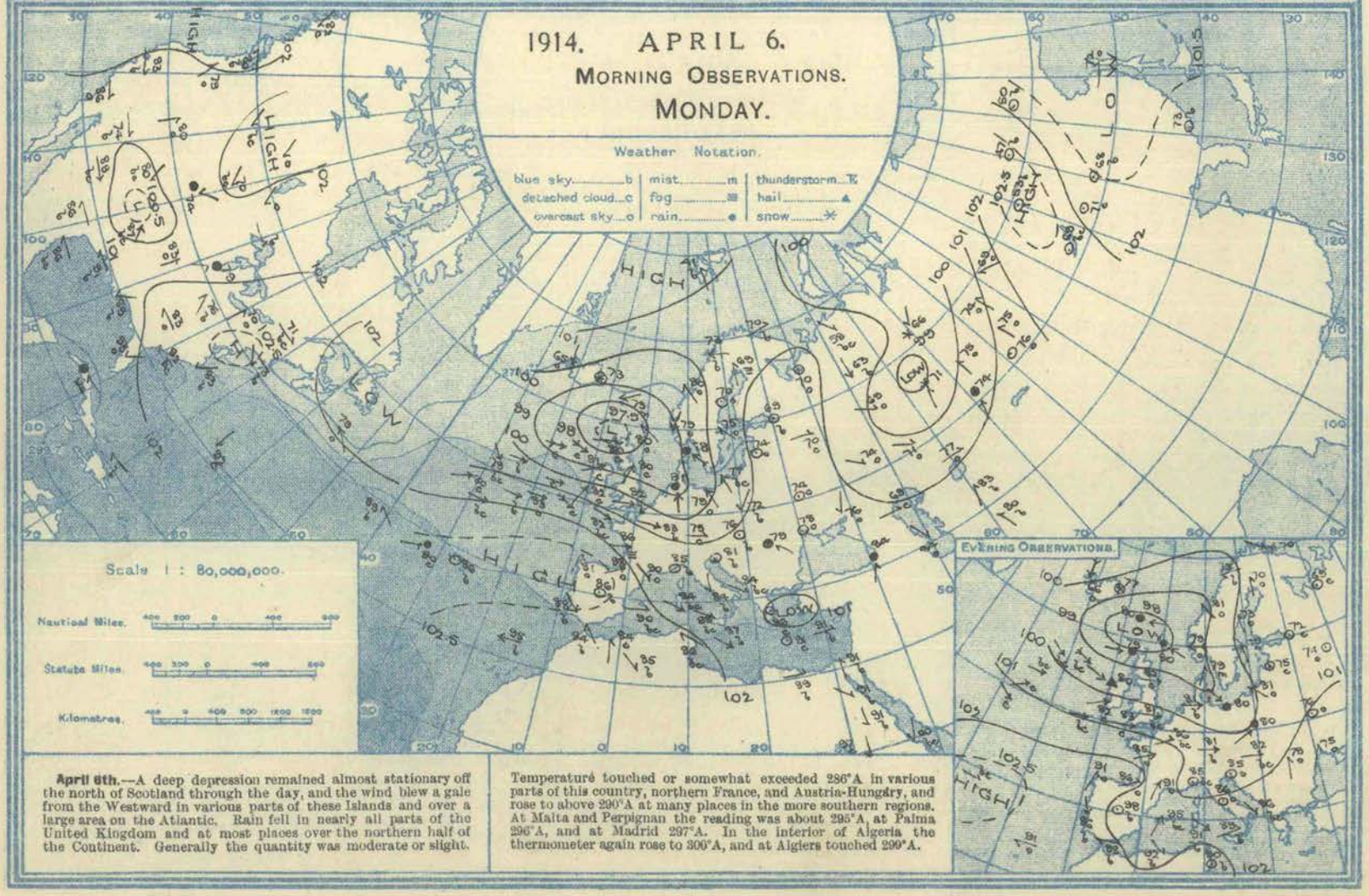
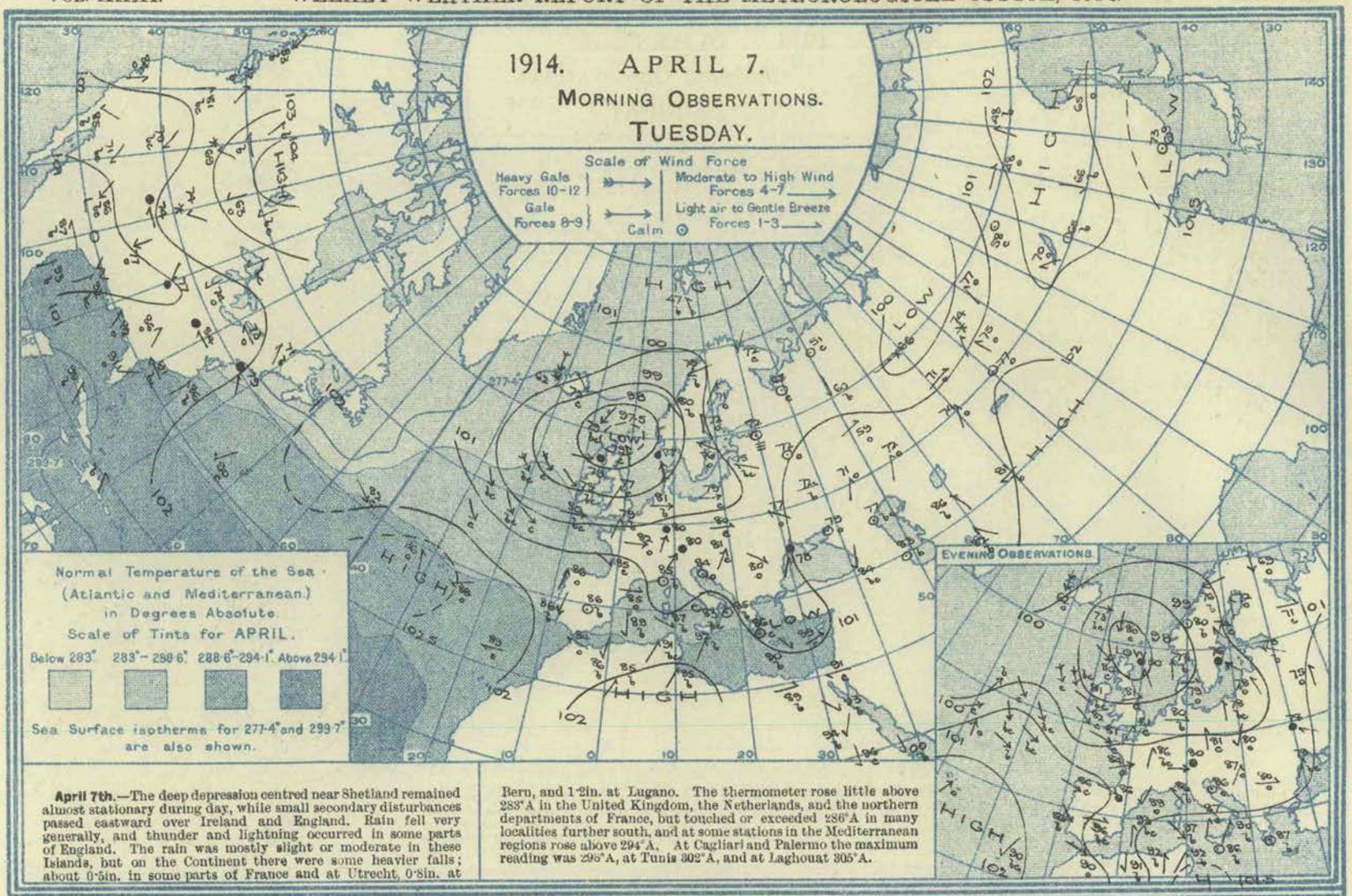



**April 5th.**—A deep depression, with its centre to the north-westward of Scotland, extended over these Islands during the day, and the wind increased to a gale on some parts of our western and northern coasts. Rain fell very generally over the United Kingdom, northern France, and the Netherlands, and also in a few localities elsewhere. Temperature rose to 285°A or a little higher over a large portion of this country, France, and Austria Hungary, and to 294°A at various stations in southern Europe. At Palma the figure was 296°A and at San Fernando 297°A. Readings as high as 299°A or 300°A were recorded over the inland regions of Algeria and at Funchal. Frost occurred at night in the far north of the Continent, and locally in Poland.

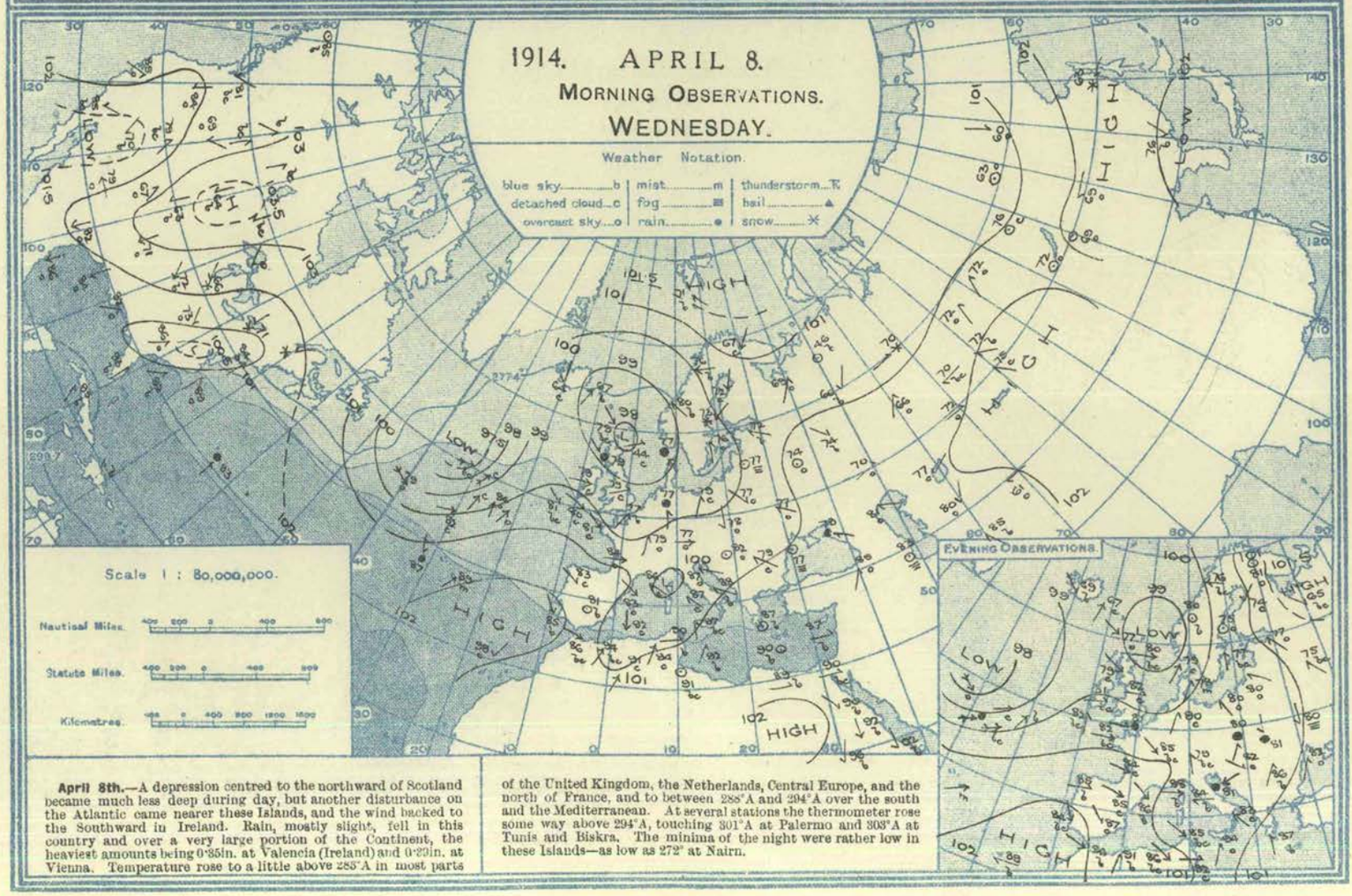



**April 6th.**—A deep depression remained almost stationary off the north of Scotland through the day, and the wind blew a gale from the Westward in various parts of these Islands and over a large area on the Atlantic. Rain fell in nearly all parts of the United Kingdom and at most places over the northern half of the Continent. Generally the quantity was moderate or slight.

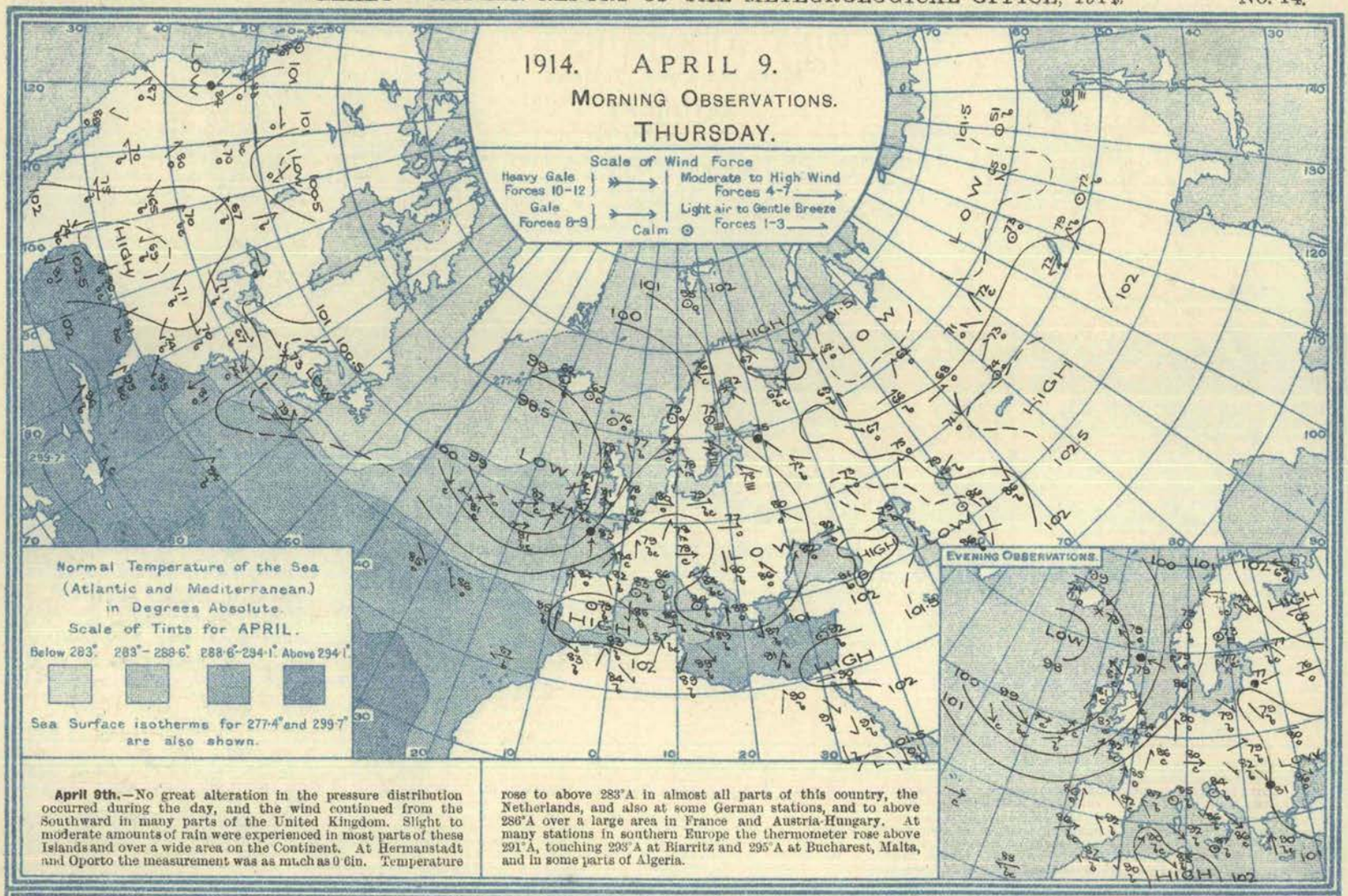
Temperature touched or somewhat exceeded 286°A in various parts of this country, northern France, and Austria-Hungary, and rose to above 290°A at many places in the more southern regions. At Malta and Perpignan the reading was about 295°A, at Palma 296°A, and at Madrid 297°A. In the interior of Algeria the thermometer again rose to 300°A, and at Algiers touched 299°A.



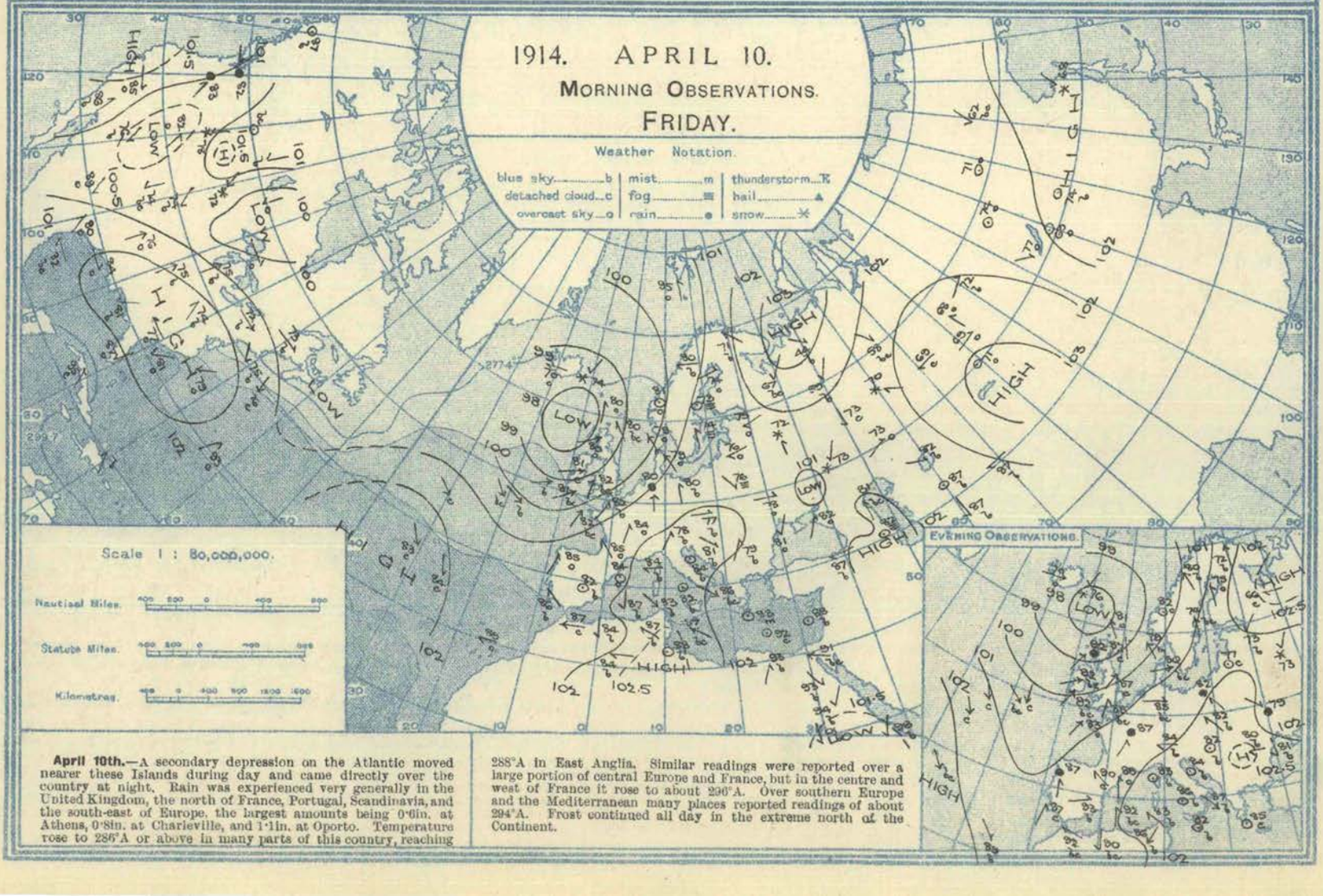

**April 7th.**—The deep depression centred near Shetland remained almost stationary during day, while small secondary disturbances passed eastward over Ireland and England. Rain fell very generally, and thunder and lightning occurred in some parts of England. The rain was mostly slight or moderate in these Islands, but on the Continent there were some heavier falls; about 0·5in. in some parts of France and at Utrecht, 0·8in. at Bern, and 1·2in. at Lugano. The thermometer rose little above 283°A in the United Kingdom, the Netherlands, and the northern departments of France, but touched or exceeded 286°A in many localities further south, and at some stations in the Mediterranean regions rose above 294°A. At Cagliari and Palermo the maximum reading was 298°A, at Tunis 302°A, and at Laghouat 305°A.



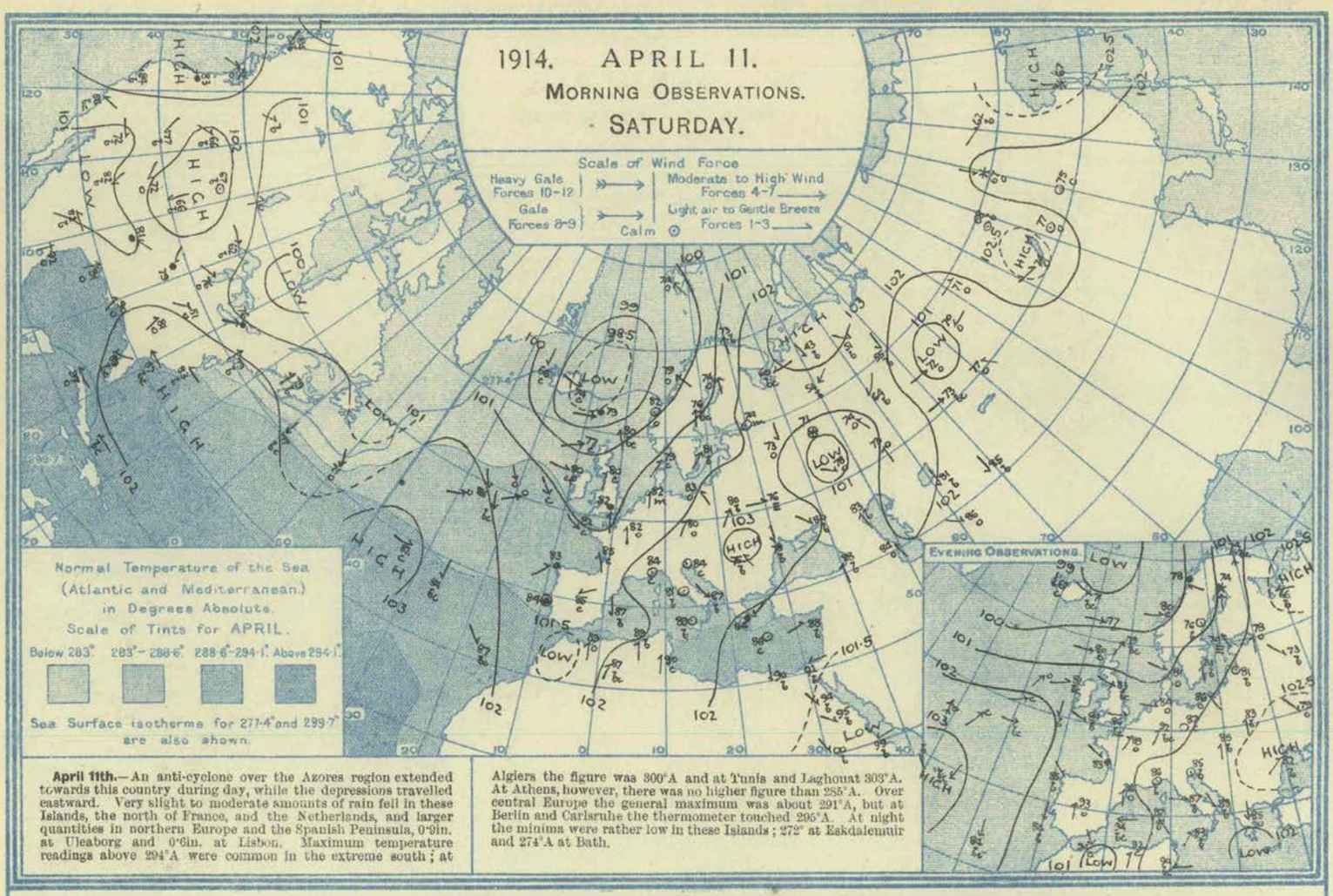

**April 8th.**—A depression centred to the northward of Scotland became much less deep during day, but another disturbance on the Atlantic came nearer these Islands, and the wind backed to the Southward in Ireland. Rain, mostly slight, fell in this country and over a very large portion of the Continent, the heaviest amounts being 0·35in. at Valencia (Ireland) and 0·20in. at Vienna. Temperature rose to a little above 283°A in most parts of the United Kingdom, the Netherlands, Central Europe, and the north of France, and to between 288°A and 294°A over the south and the Mediterranean. At several stations the thermometer rose some way above 294°A, touching 301°A at Palermo and 303°A at Tunis and Biskra. The minima of the night were rather low in these Islands—as low as 272° at Nairn.




**April 9th.**—No great alteration in the pressure distribution occurred during the day, and the wind continued from the Southward in many parts of the United Kingdom. Slight to moderate amounts of rain were experienced in most parts of these Islands and over a wide area on the Continent. At Hermanstadt and Oporto the measurement was as much as 0·6in. Temperature rose to above 283°A in almost all parts of this country, the Netherlands, and also at some German stations, and to above 286°A over a large area in France and Austria-Hungary. At many stations in southern Europe the thermometer rose above 291°A, touching 293°A at Biarritz and 295°A at Bucharest, Malta, and in some parts of Algeria.

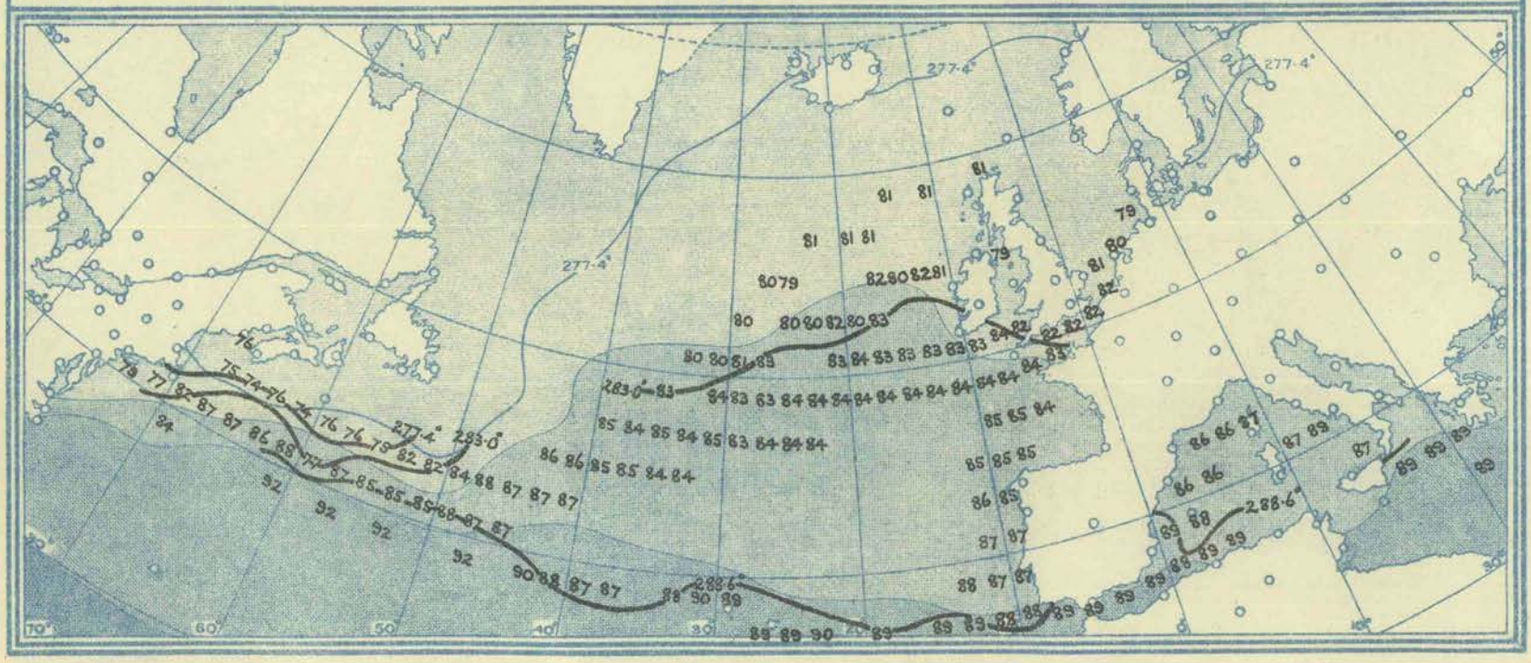



**April 10th.**—A secondary depression on the Atlantic moved nearer these Islands during day and came directly over the country at night. Rain was experienced very generally in the United Kingdom, the north of France, Portugal, Scandinavia, and the south-east of Europe, the largest amounts being 0·6in. at Athens, 0·8in. at Charleville, and 1·1in. at Oporto. Temperature rose to 286°A or above in many parts of this country, reaching 288°A in East Anglia. Similar readings were reported over a large portion of central Europe and France, but in the centre and west of France it rose to about 296°A. Over southern Europe and the Mediterranean many places reported readings of about 294°A. Frost continued all day in the extreme north of the Continent.




**April 11th.**—An anti-cyclone over the Azores region extended towards this country during day, while the depressions travelled eastward. Very slight to moderate amounts of rain fell in these Islands, the north of France, and the Netherlands, and larger quantities in northern Europe and the Spanish Peninsula, 0·9in. at Ulcaborg and 0·6in. at Lisbon. Maximum temperature readings above 294°A were common in the extreme south; at Algiers the figure was 300°A and at Tunis and Laghouat 303°A. At Athens, however, there was no higher figure than 285°A. Over central Europe the general maximum was about 291°A, but at Berlin and Carlsruhe the thermometer touched 295°A. At night the minima were rather low in these Islands; 272° at Eskdalemuir and 274°A at Bath.

## SURFACE TEMPERATURE of the SEA during the week ended Saturday, 11TH. APRIL, 1914.

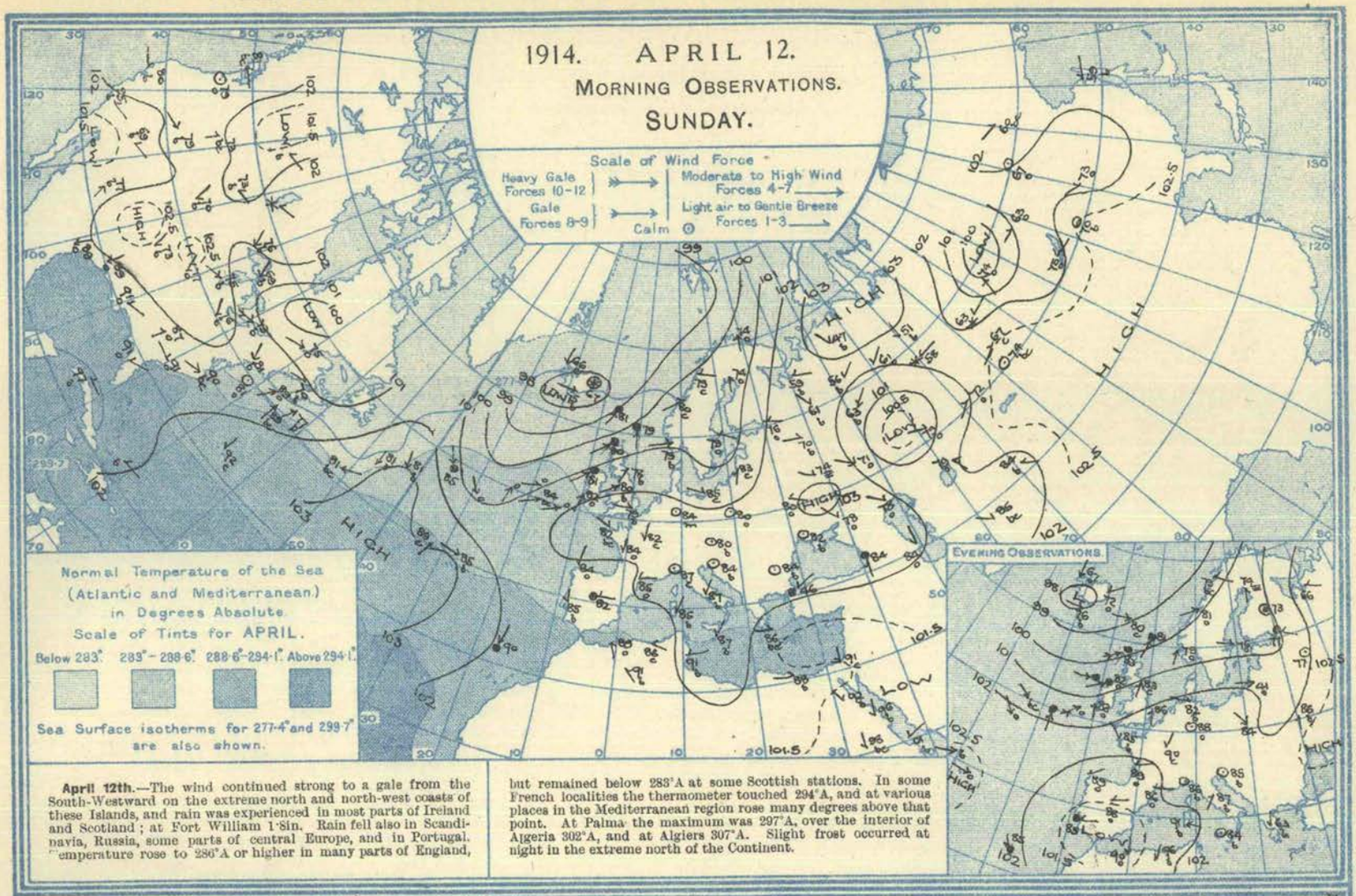



**Explanation of Charts.**—The height of the barometer is expressed by isobars, which are drawn for intervals of one centibar, the equivalent on the absolute scale of pressure units of 0·295 mercury inches. 1 centibar = 10 millibars. 100 centibars = 29·53 mercury inches = 750·1 mercury millimetres. The winds are shown by arrows which are drawn flying with the wind. Temperatures are given in degrees Absolute, freezing point = 273°, the initial 2 being omitted.

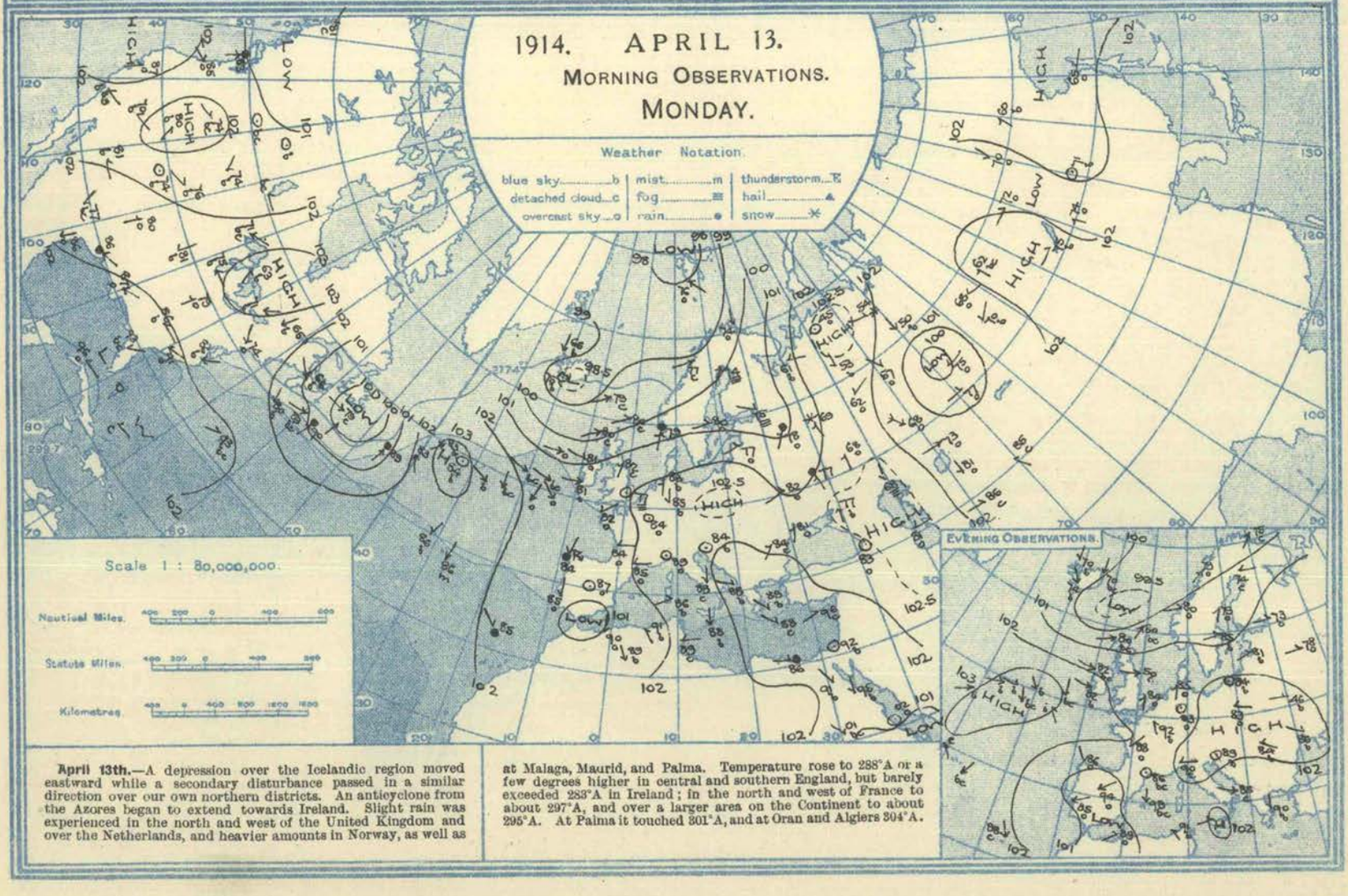
The charts are prepared from observations made at 7 a.m. in the British Islands, France, Italy, Belgium, Holland, Germany, Denmark, Norway, Sweden, Iceland, Spitzbergen, Madeira, and Algeria; at 6.30 a.m. in Switzerland; at 6 a.m. in Austria-Hungary and Egypt; at 5.25 a.m. in Greece; at 8.37 a.m. in Portugal; and at 8 a.m. in Spain and in the Azores. These times refer to Greenwich Mean Time. Observations in the Russian Empire, including Siberia, are taken at 7 a.m. local time. On the American Continent and at Bermuda the observations are taken at 8 a.m., mean time of Longitude 75° W., i.e., 1 p.m. G.M.T. "Wireless" observations from the Atlantic Ocean are taken at 7 a.m. G.M.T., others at 8 a.m. local time.

The evening charts are prepared from observations made at 6 p.m. in the British Islands, France, Germany, Holland, Denmark and Norway; at 4 p.m. in Spain; at 5 p.m. in Iceland; at 6.25 p.m. in Greece; at 8 p.m. in Belgium, Sweden, Switzerland, Italy and Austria-Hungary; and at 9.37 p.m. in Portugal and 9 p.m. in the Azores. In the Russian Empire (including Siberia) they are taken at 9 p.m. local time.

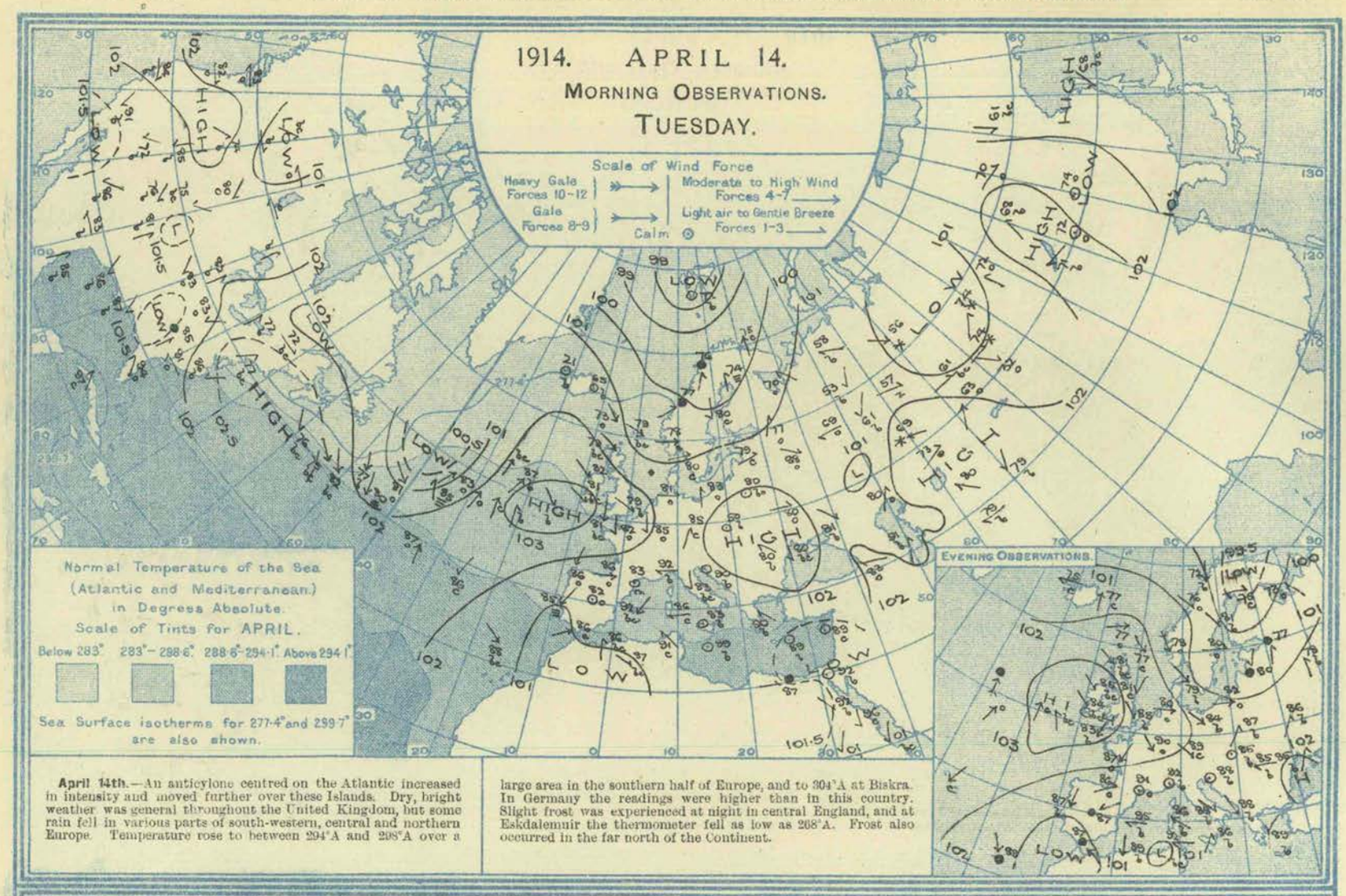
**Temperature of the Sea.**—The mean surface temperature of the sea in degrees Absolute, observed during the week to which the report refers, is shown in black on the last chart. The normal temperature for the month is indicated by the intensity of the blue shading and the scale shown in an inset. The isotherms for 277·4°A and 299·7°A are shown by blue lines.



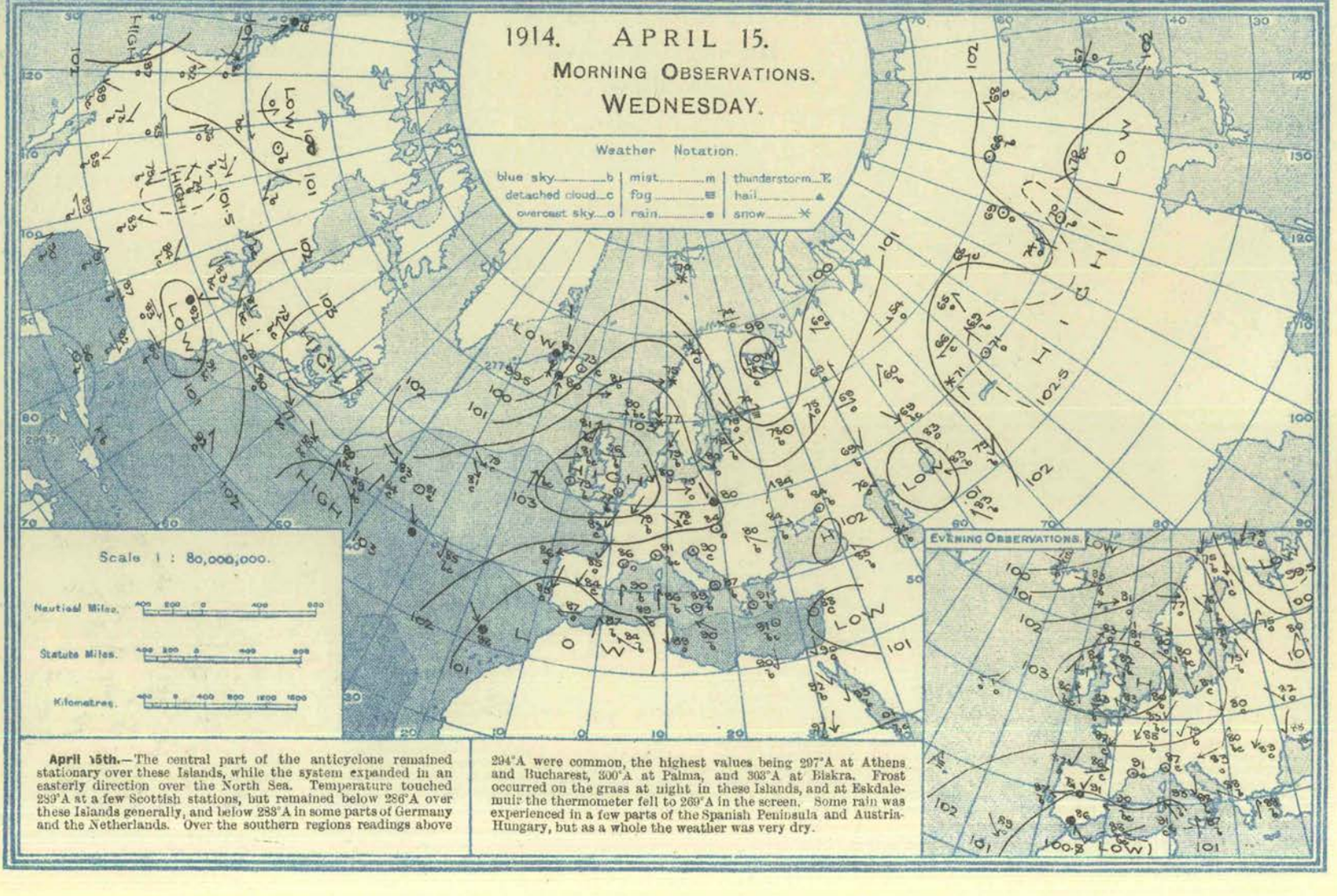

**April 12th.**—The wind continued strong to a gale from the South-Westward on the extreme north and north-west coasts of these Islands, and rain was experienced in most parts of Ireland and Scotland; at Fort William 1·8in. Rain fell also in Scandinavia, Russia, some parts of central Europe, and in Portugal. Temperature rose to 286°A or higher in many parts of England, but remained below 283°A at some Scottish stations. In some French localities the thermometer touched 294°A, and at various places in the Mediterranean region rose many degrees above that point. At Palma the maximum was 297°A, over the interior of Algeria 302°A, and at Algiers 307°A. Slight frost occurred at night in the extreme north of the Continent.




**April 13th.**—A depression over the Icelandic region moved eastward while a secondary disturbance passed in a similar direction over our own northern districts. An anticyclone from the Azores began to extend towards Ireland. Slight rain was experienced in the north and west of the United Kingdom and over the Netherlands, and heavier amounts in Norway, as well as at Malaga, Maurid, and Palma. Temperature rose to 288°A or a few degrees higher in central and southern England, but barely exceeded 283°A in Ireland; in the north and west of France to about 297°A, and over a larger area on the Continent to about 295°A. At Palma it touched 301°A, and at Oran and Algiers 304°A.




**April 14th.**—An anticyclone centred on the Atlantic increased in intensity and moved further over these Islands. Dry, bright weather was general throughout the United Kingdom, but some rain fell in various parts of south-western, central and northern Europe. Temperature rose to between 294°A and 298°A over a large area in the southern half of Europe, and to 304°A at Biskra. In Germany the readings were higher than in this country. Slight frost was experienced at night in central England, and at Eskdalemuir the thermometer fell as low as 268°A. Frost also occurred in the far north of the Continent.

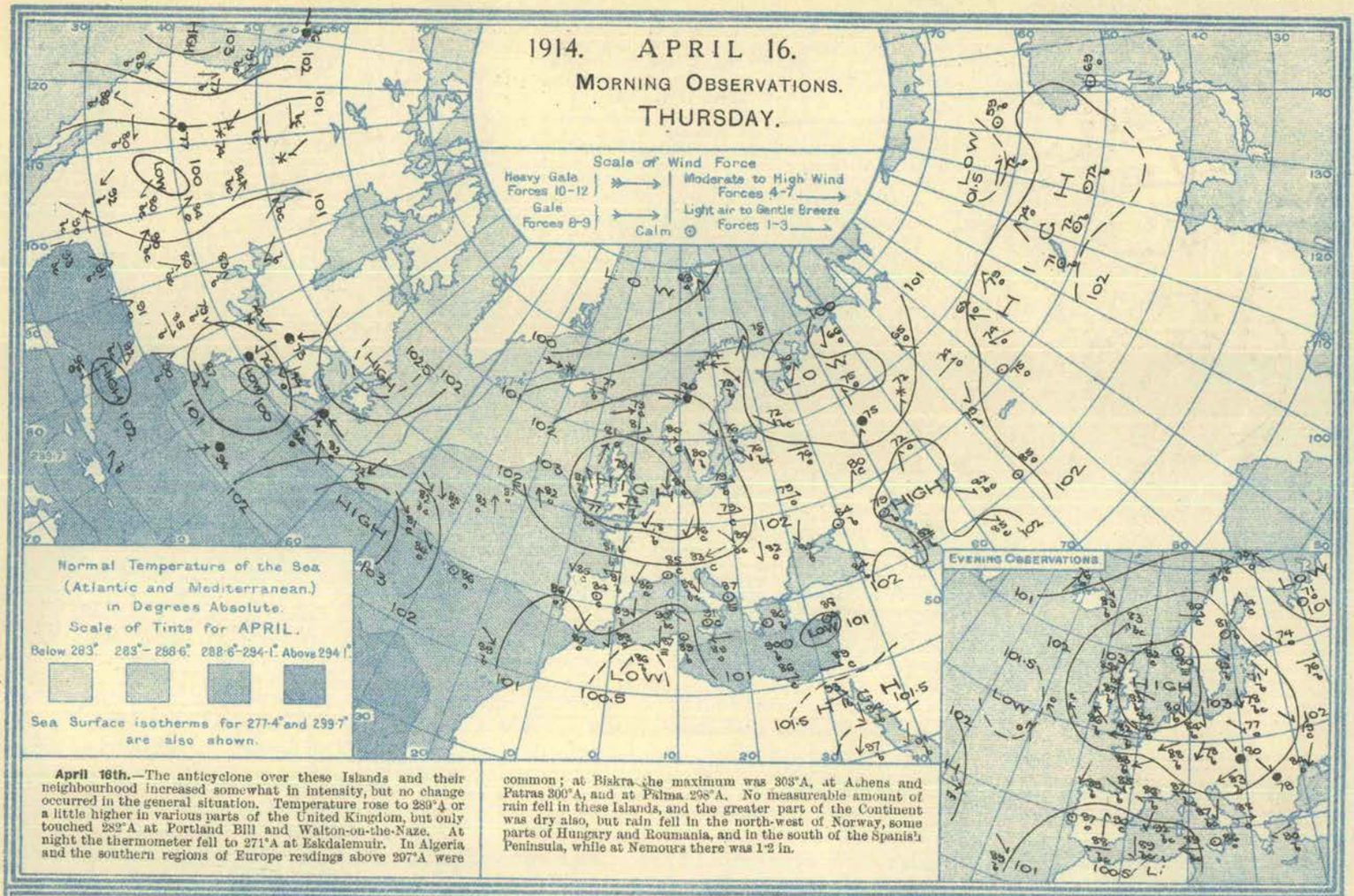



**April 15th.**—The central part of the anticyclone remained stationary over these Islands, while the system expanded in an easterly direction over the North Sea. Temperature touched 289°A at a few Scottish stations, but remained below 286°A over these Islands generally, and below 288°A in some parts of Germany and the Netherlands. Over the southern regions readings above 294°A were common, the highest values being 297°A at Athens and Bucharest, 300°A at Palma, and 303°A at Biskra. Frost occurred on the grass at night in these Islands, and at Eskdalemuir the thermometer fell to 269°A in the screen. Some rain was experienced in a few parts of the Spanish Peninsula and Austria-Hungary, but as a whole the weather was very dry.

# 1914. APRIL 16.

## MORNING OBSERVATIONS.

## THURSDAY.

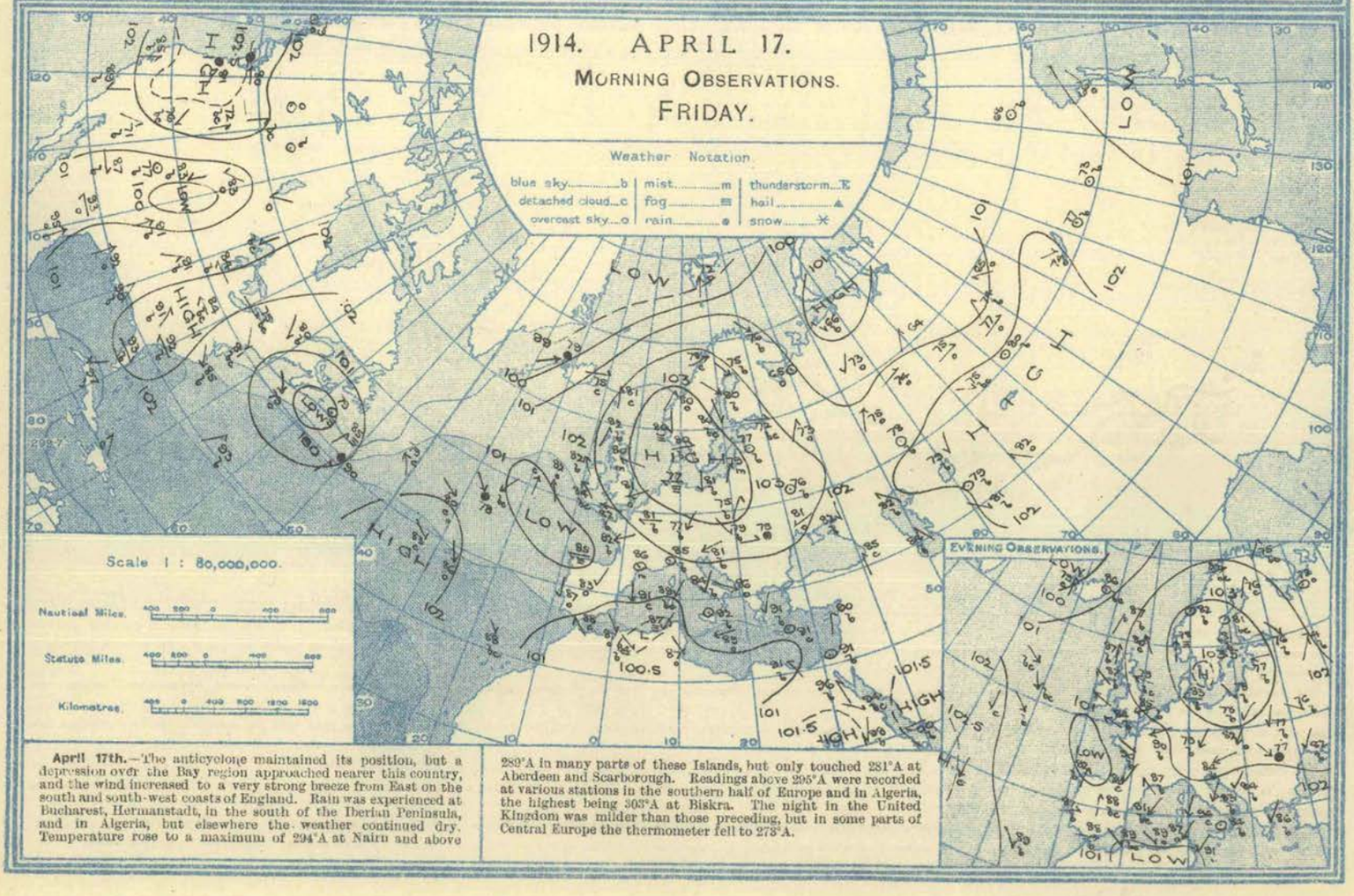



**April 16th.**—The anticyclone over these Islands and their neighbourhood increased somewhat in intensity, but no change occurred in the general situation. Temperature rose to 289°A or a little higher in various parts of the United Kingdom, but only touched 282°A at Portland Bill and Walton-on-the-Naze. At night the thermometer fell to 271°A at Eskdalemuir. In Algeria and the southern regions of Europe readings above 297°A were common; at Biskra the maximum was 303°A, at Athens and Patras 300°A, and at Palma 298°A. No measureable amount of rain fell in these Islands, and the greater part of the Continent was dry also, but rain fell in the north-west of Norway, some parts of Hungary and Roumania, and in the south of the Spanish Peninsula, while at Nemours there was 1·2 in.

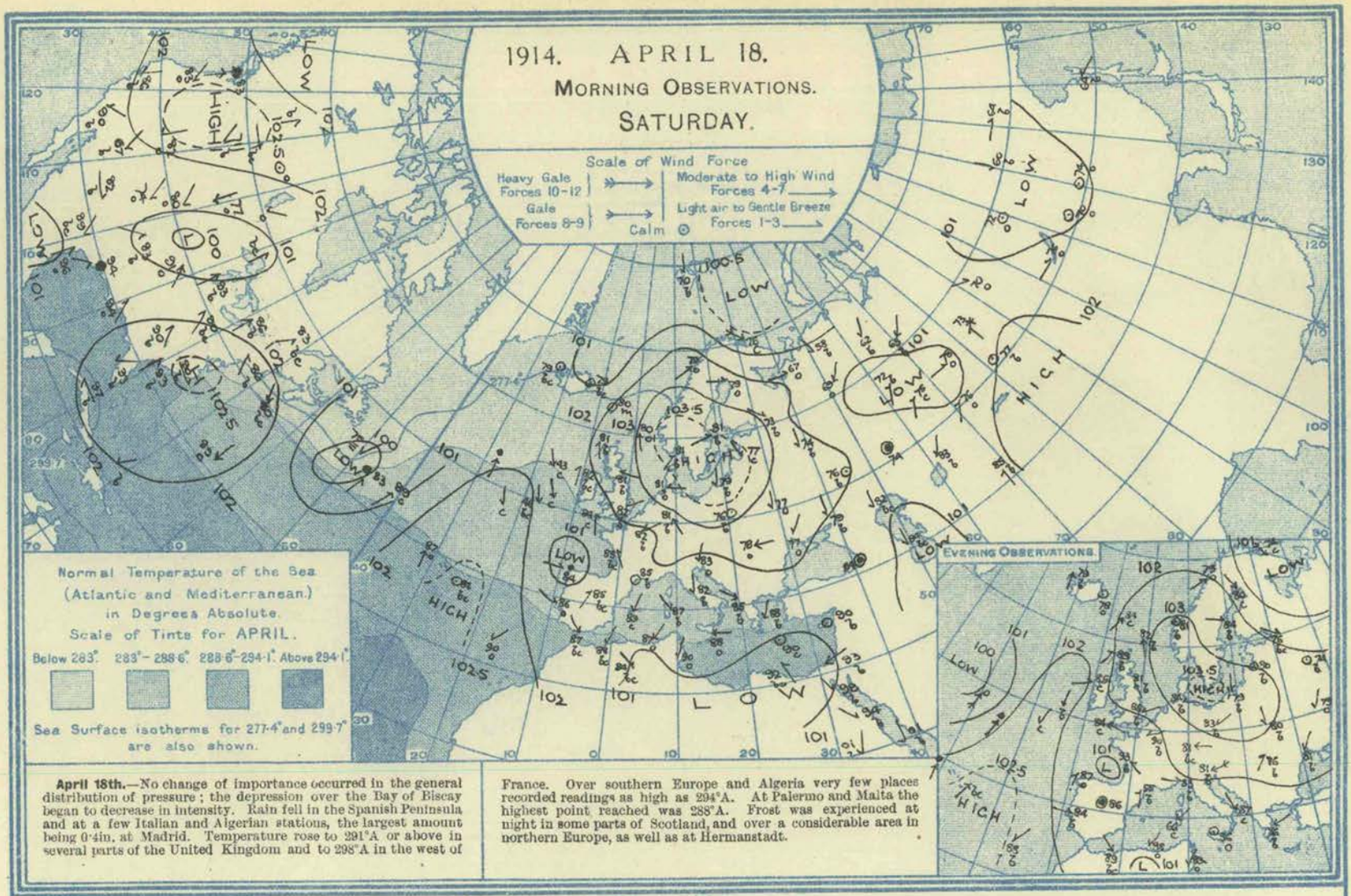
# 1914. APRIL 17.

## MORNING OBSERVATIONS.

## FRIDAY.

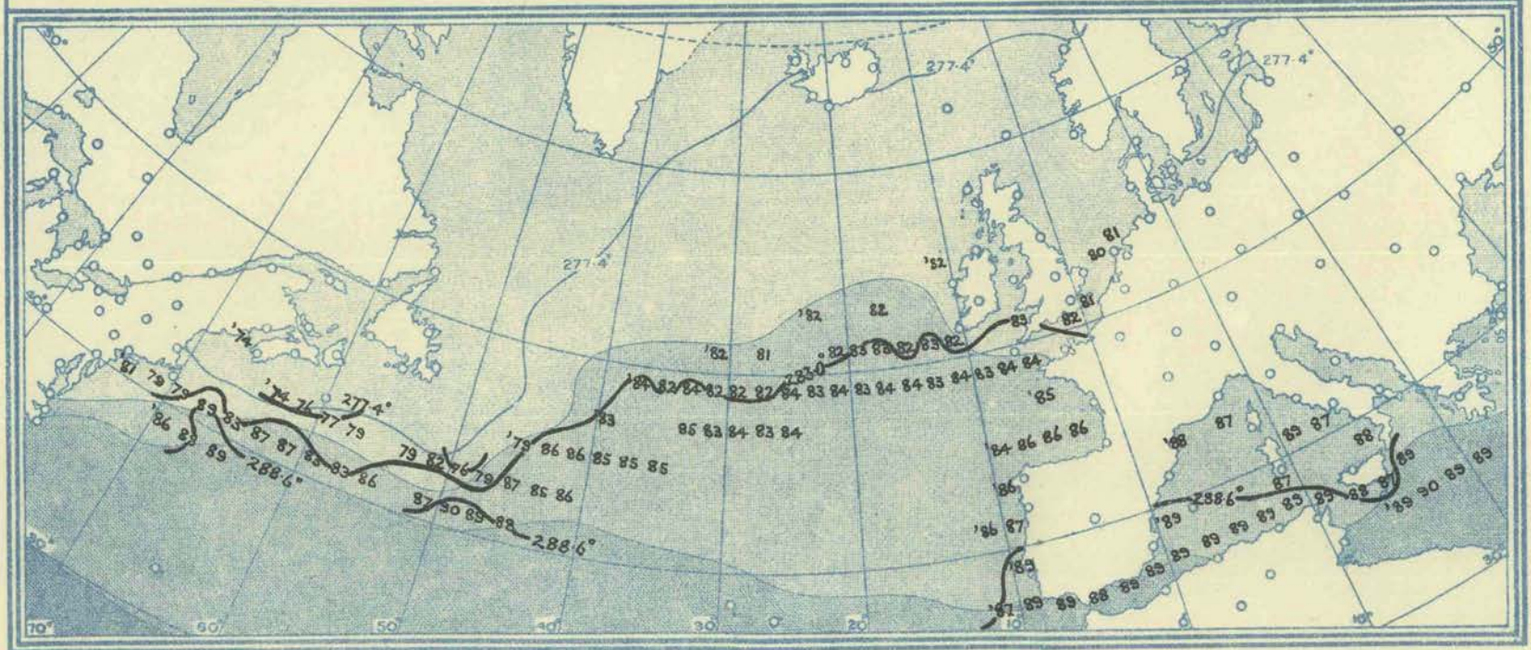



**April 17th.**—The anticyclone maintained its position, but a depression over the Bay region approached nearer this country, and the wind increased to a very strong breeze from East on the south and south-west coasts of England. Rain was experienced at Bucharest, Hermanstadt, in the south of the Iberian Peninsula, and in Algeria, but elsewhere the weather continued dry. Temperature rose to a maximum of 294°A at Nairn and above 289°A in many parts of these Islands, but only touched 281°A at Aberdeen and Scarborough. Readings above 295°A were recorded at various stations in the southern half of Europe and in Algeria, the highest being 303°A at Biskra. The night in the United Kingdom was milder than those preceding, but in some parts of Central Europe the thermometer fell to 273°A.




**April 18th.**—No change of importance occurred in the general distribution of pressure; the depression over the Bay of Biscay began to decrease in intensity. Rain fell in the Spanish Peninsula and at a few Italian and Algerian stations, the largest amount being 0·4in. at Madrid. Temperature rose to 291°A or above in several parts of the United Kingdom and to 298°A in the west of France. Over southern Europe and Algeria very few places recorded readings as high as 294°A. At Palermo and Malta the highest point reached was 288°A. Frost was experienced at night in some parts of Scotland, and over a considerable area in northern Europe, as well as at Hermanstadt.

## SURFACE TEMPERATURE of the SEA during the week ended Saturday, 18TH APRIL, 1914.

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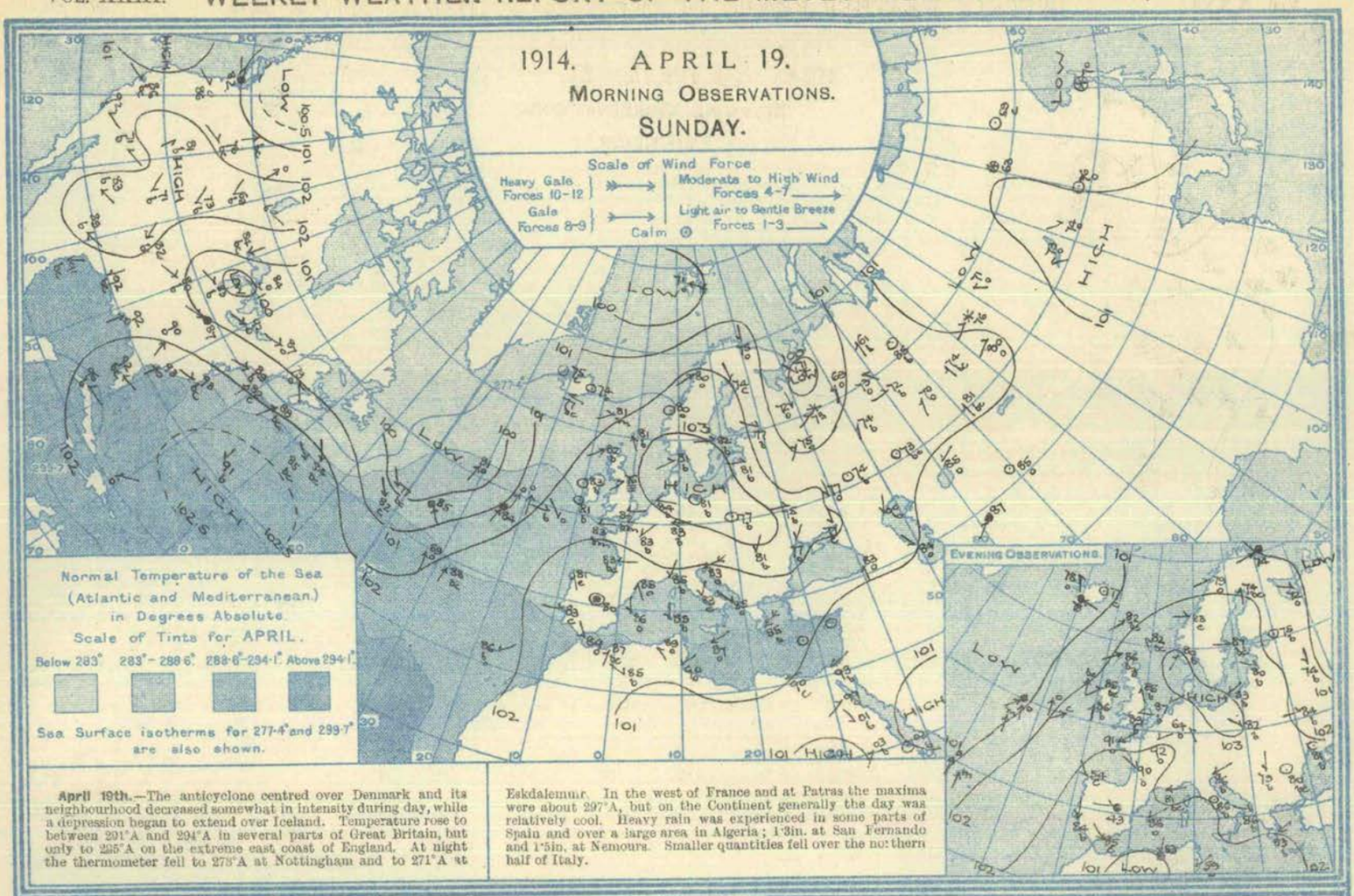
The charts are prepared from observations made at 7 a.m. in the British Islands, France, Italy, Belgium, Holland, Germany, Denmark, Norway, Sweden, Iceland, Spitzbergen, Madeira, and Algeria; at 6.30 a.m. in Switzerland; at 6 a.m. in Austria-Hungary and Egypt; at 5.25 a.m. in Greece: at 8.37 a.m. in Portugal; and at 8 a.m. in Spain and in the Azores. These times refer to Greenwich Mean Time. Observations in the Russian Empire, including Siberia, are taken at 7 a.m. local time. On the American Continent and at Bermuda the observations are taken at 8 a.m., mean time of Longitude 75° W., i.e., 1 p.m. G.M.T. "Wireless" observations from the Atlantic Ocean are taken at 7 a.m. G.M.T., others at 8 a.m. local time.

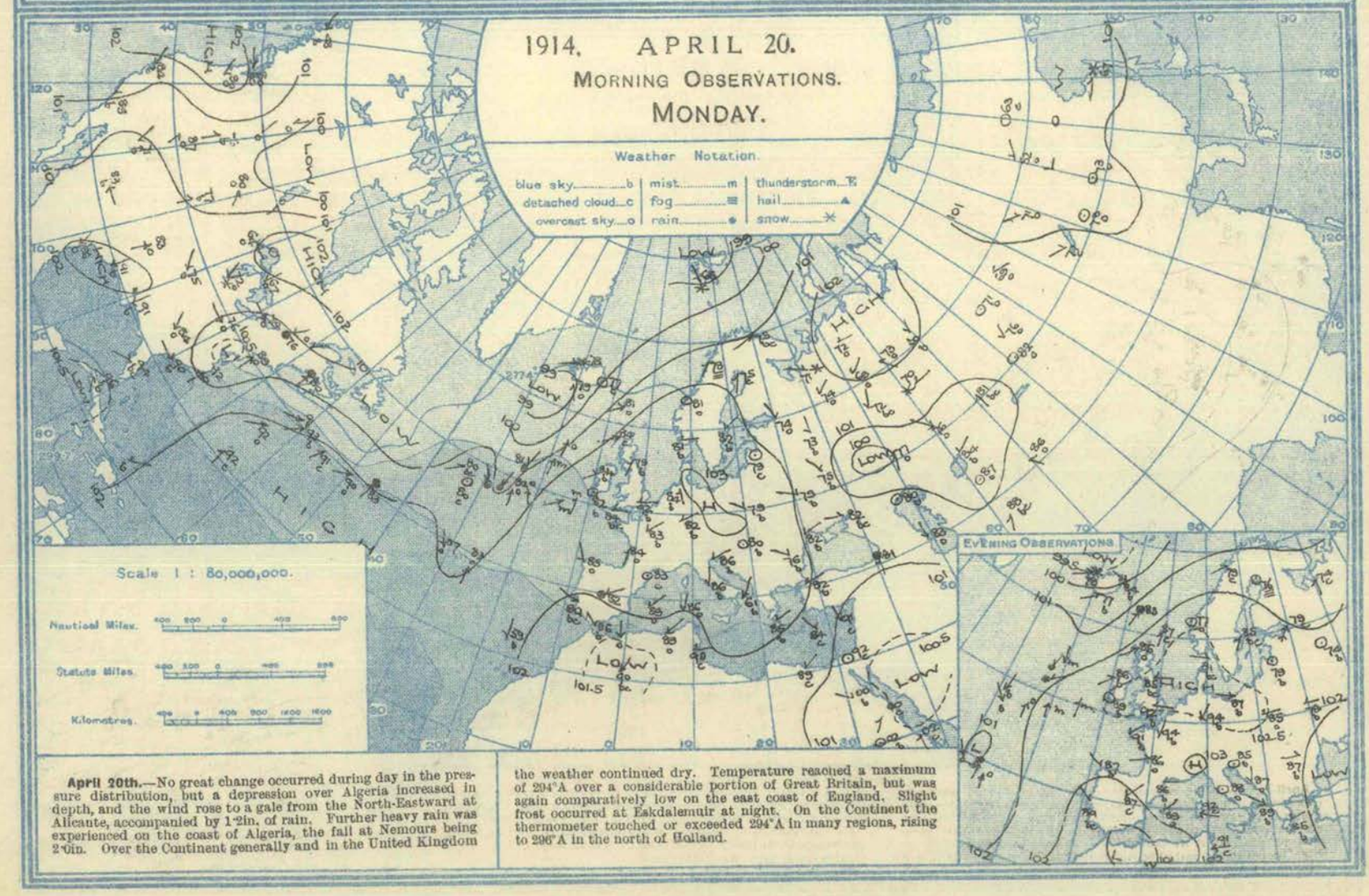
The evening charts are prepared from observations made at 6 p.m. in the British Islands, France, Germany, Holland, Denmark and Norway; at 4 p.m. in Spain; at 5 p.m. in Iceland; at 6.25 p.m. in Greece; at 8 p.m. in Belgium, Sweden, Switzerland, Italy and Austria-Hungary; and at 9.37 p.m. in Portugal and 9 p.m. in the Azores. In the Russian Empire (including Siberia) they are taken at 9 p.m. local time.

**Temperature of the Sea.**—The mean surface temperature of the sea in degrees Absolute, observed during the week to which the report refers, is shown in black on the last chart. The normal temperature for the month is indicated by the intensity of the blue shading and the scale shown in an inset. The isotherms for 277·4°A and 299·7°A are shown by blue lines.

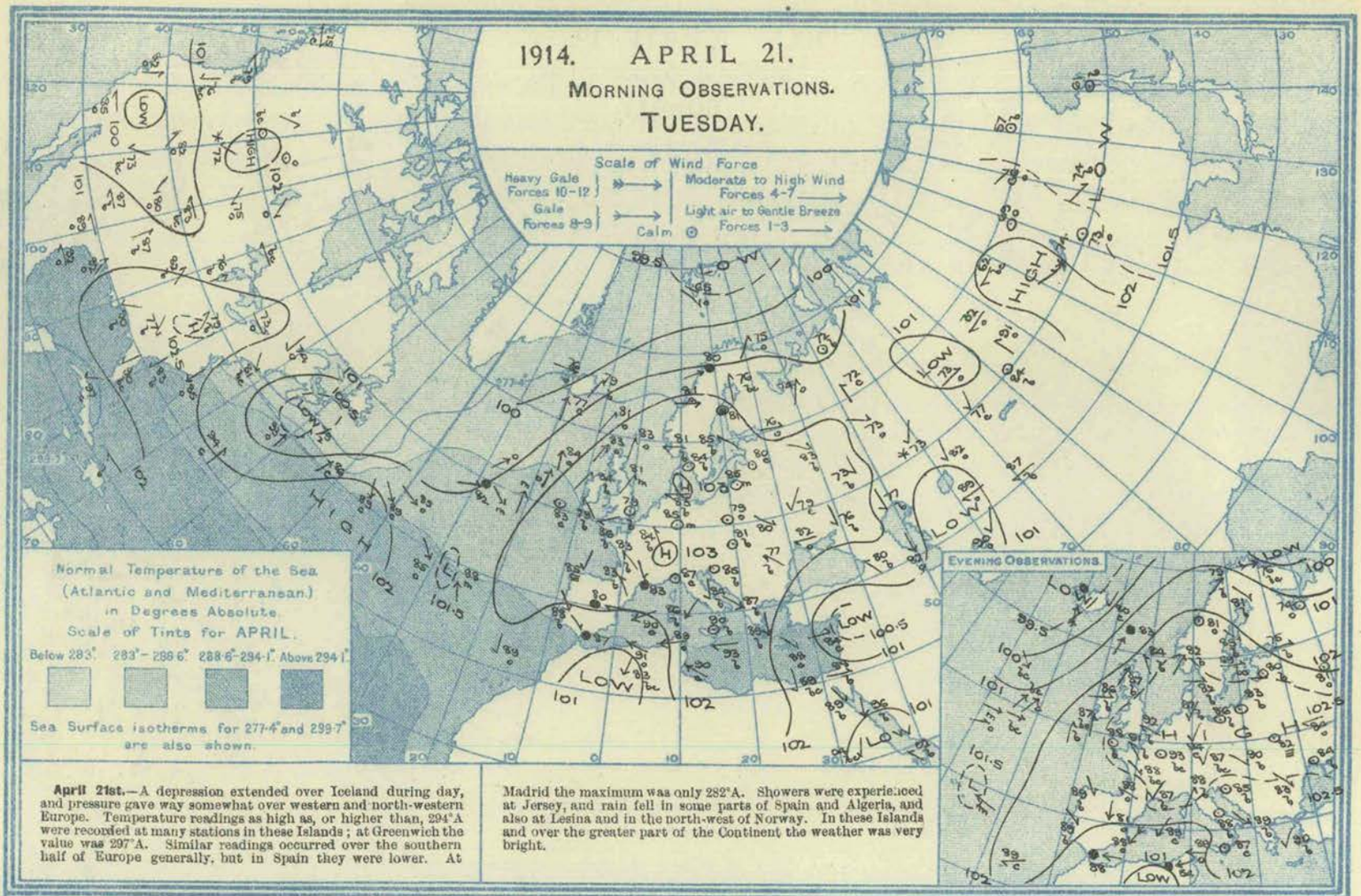
* The pressure is expressed in millibars. Corresponding values in inches are shown for selected isobars.



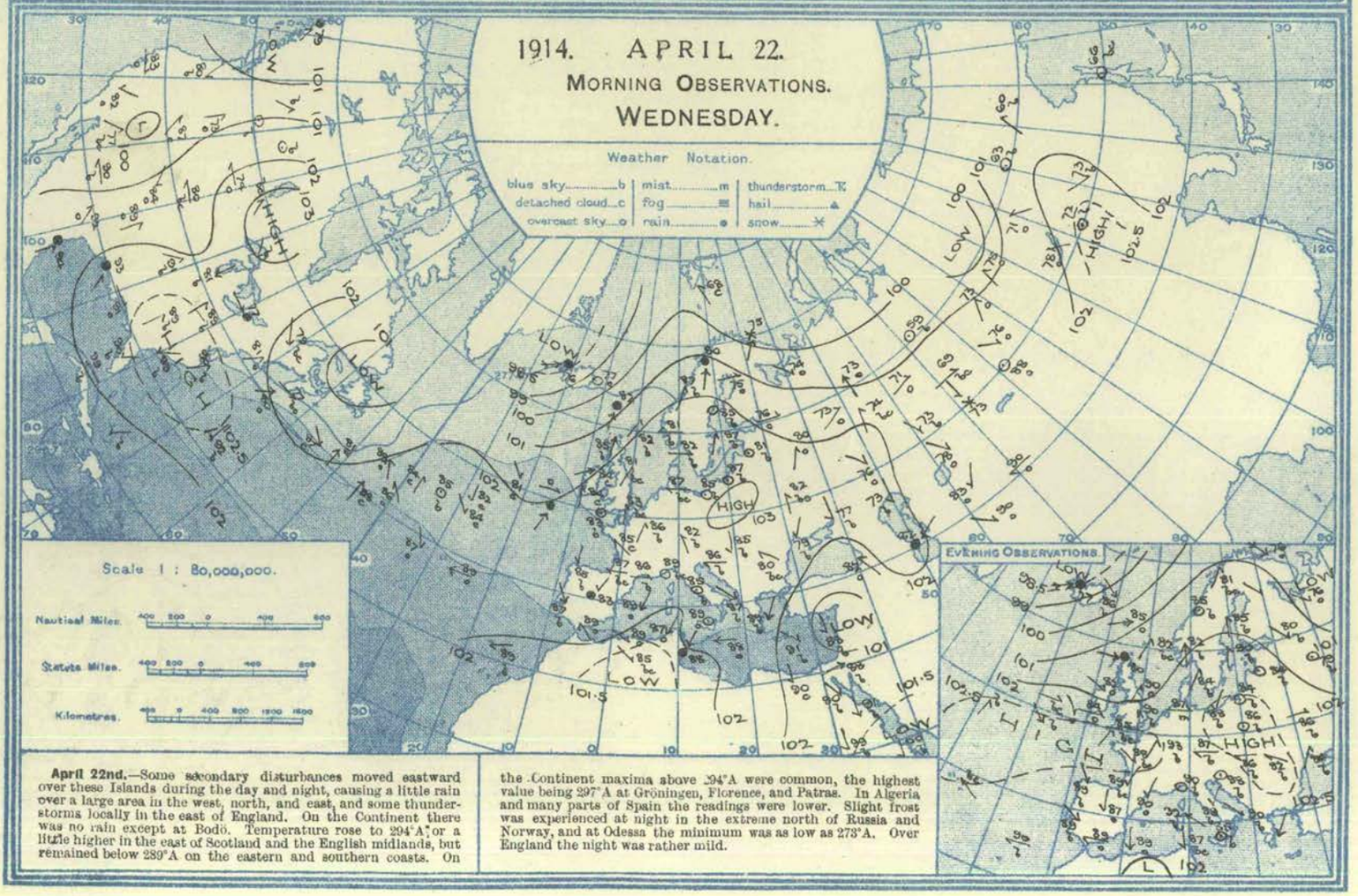

**April 19th.**—The anticyclone centred over Denmark and its neighbourhood decreased somewhat in intensity during day, while a depression began to extend over Iceland. Temperature rose to between 291°A and 294°A in several parts of Great Britain, but only to 285°A on the extreme east coast of England. At night the thermometer fell to 278°A at Nottingham and to 271°A at Eskdalemuir. In the west of France and at Patras the maxima were about 297°A, but on the Continent generally the day was relatively cool. Heavy rain was experienced in some parts of Spain and over a large area in Algeria; 1·3in. at San Fernando and 1·5in. at Nemours. Smaller quantities fell over the northern half of Italy.



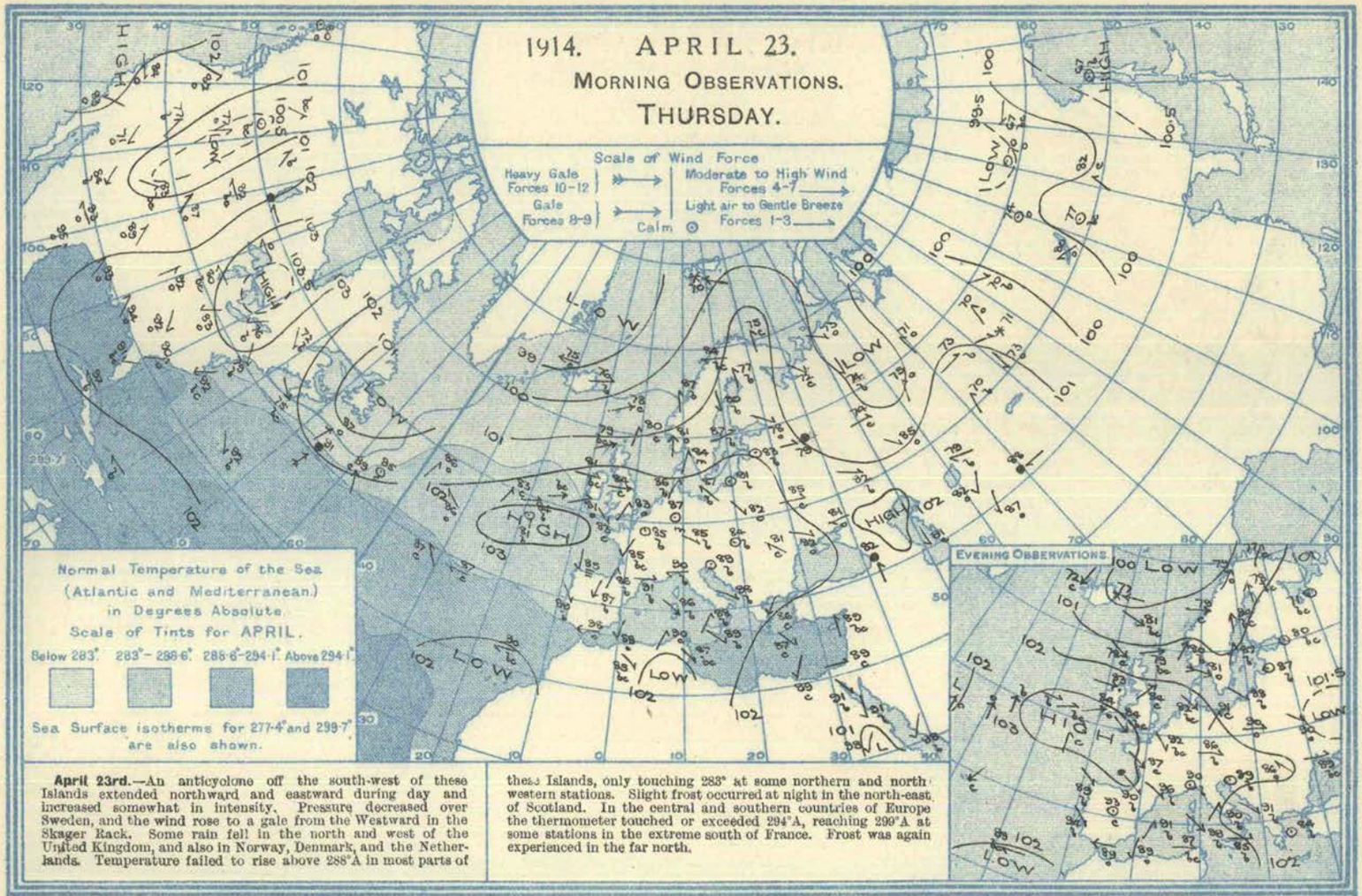

**April 20th.**—No great change occurred during day in the pressure distribution, but a depression over Algeria increased in depth, and the wind rose to a gale from the North-Eastward at Alicante, accompanied by 1·2in. of rain. Further heavy rain was experienced on the coast of Algeria, the fall at Nemours being 2·0in. Over the Continent generally and in the United Kingdom the weather continued dry. Temperature reached a maximum of 294°A over a considerable portion of Great Britain, but was again comparatively low on the east coast of England. Slight frost occurred at Eskdalemuir at night. On the Continent the thermometer touched or exceeded 294°A in many regions, rising to 296°A in the north of Holland.



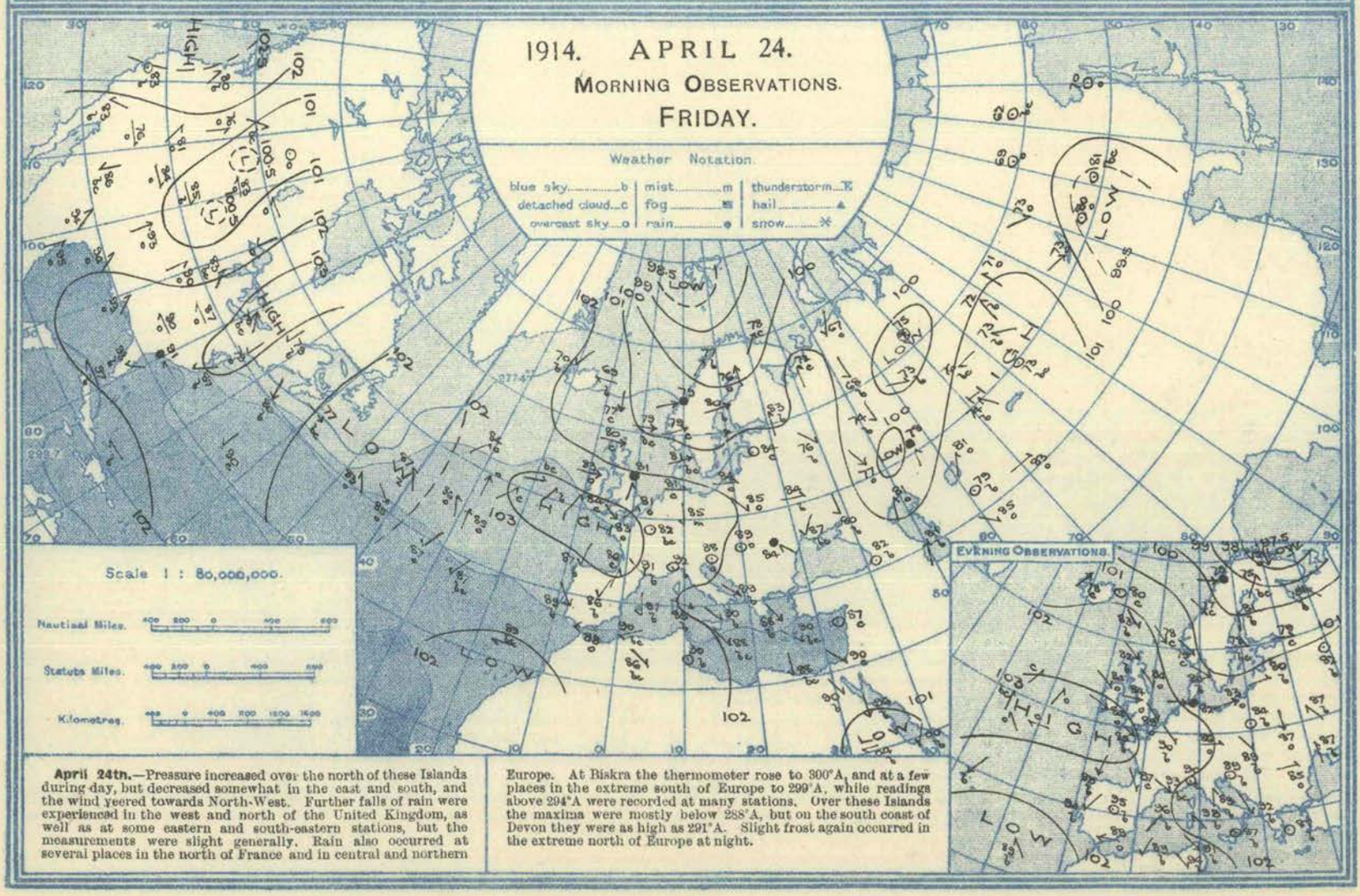

**April 21st.**—A depression extended over Iceland during day, and pressure gave way somewhat over western and north-western Europe. Temperature readings as high as, or higher than, 294°A were recorded at many stations in these Islands; at Greenwich the value was 297°A. Similar readings occurred over the southern half of Europe generally, but in Spain they were lower. At Madrid the maximum was only 282°A. Showers were experienced at Jersey, and rain fell in some parts of Spain and Algeria, and also at Lesina and in the north-west of Norway. In these Islands and over the greater part of the Continent the weather was very bright.



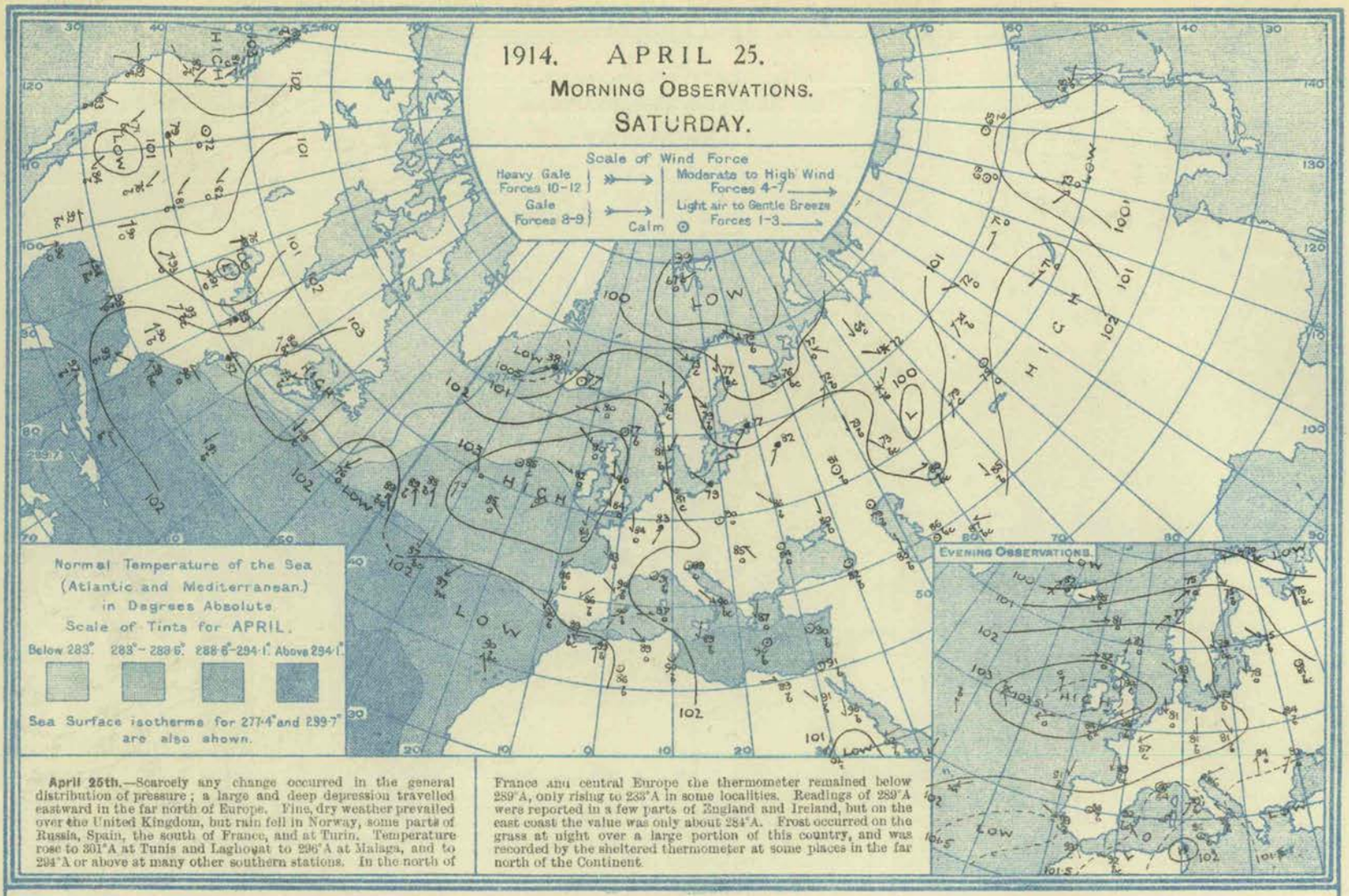

**April 22nd.**—Some secondary disturbances moved eastward over these Islands during the day and night, causing a little rain over a large area in the west, north, and east, and some thunderstorms locally in the east of England. On the Continent there was no rain except at Bodö. Temperature rose to 294°A, or a little higher in the east of Scotland and the English midlands, but remained below 289°A on the eastern and southern coasts. On the Continent maxima above 294°A were common, the highest value being 297°A at Gröningen, Florence, and Patras. In Algeria and many parts of Spain the readings were lower. Slight frost was experienced at night in the extreme north of Russia and Norway, and at Odessa the minimum was as low as 273°A. Over England the night was rather mild.




**April 23rd.**—An anticyclone off the south-west of these Islands extended northward and eastward during day and increased somewhat in intensity. Pressure decreased over Sweden, and the wind rose to a gale from the Westward in the Skager Rack. Some rain fell in the north and west of the United Kingdom, and also in Norway, Denmark, and the Netherlands. Temperature failed to rise above 288°A in most parts of these Islands, only touching 283° at some northern and north-western stations. Slight frost occurred at night in the north-east of Scotland. In the central and southern countries of Europe the thermometer touched or exceeded 294°A, reaching 299°A at some stations in the extreme south of France. Frost was again experienced in the far north.

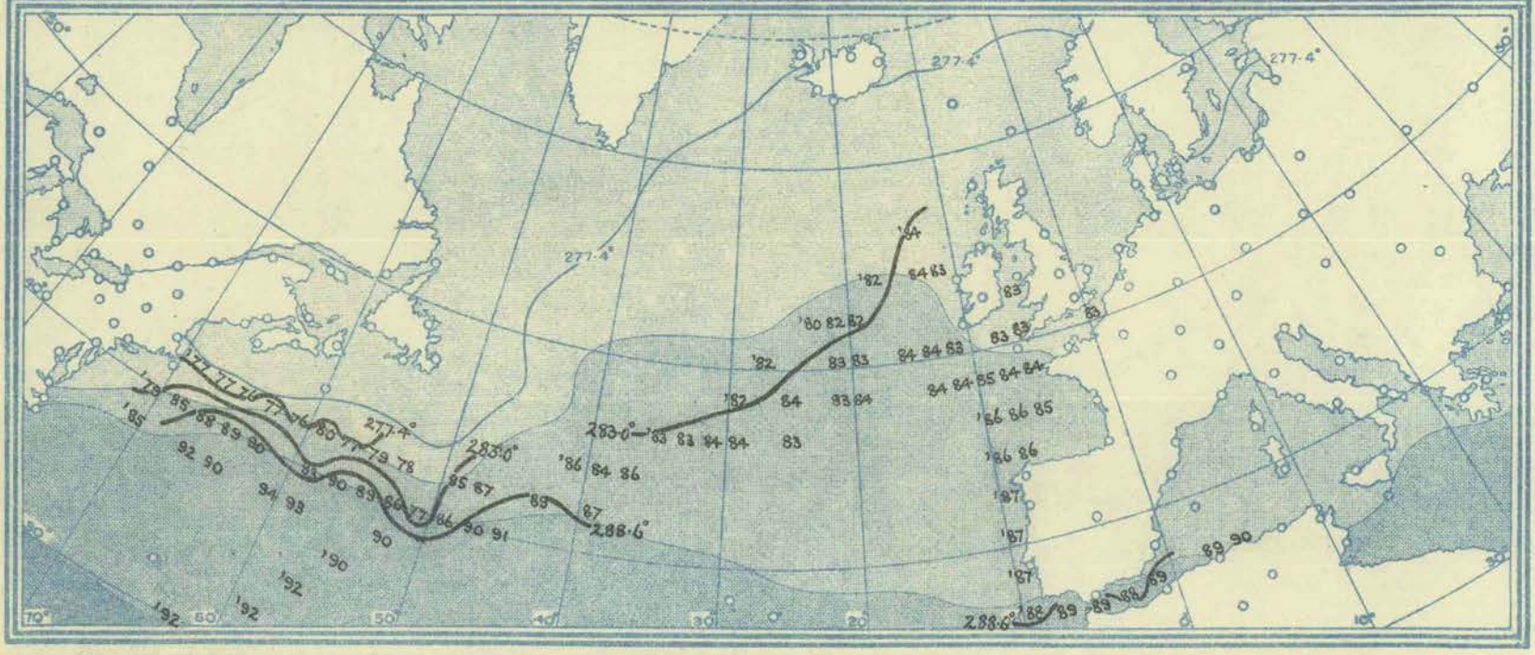



**April 24th.**—Pressure increased over the north of these Islands during day, but decreased somewhat in the east and south, and the wind veered towards North-West. Further falls of rain were experienced in the west and north of the United Kingdom, as well as at some eastern and south-eastern stations, but the measurements were slight generally. Rain also occurred at several places in the north of France and in central and northern Europe. At Biskra the thermometer rose to 300°A, and at a few places in the extreme south of Europe to 299°A, while readings above 294°A were recorded at many stations. Over these Islands the maxima were mostly below 288°A, but on the south coast of Devon they were as high as 291°A. Slight frost again occurred in the extreme north of Europe at night.




**April 25th.**—Scarcely any change occurred in the general distribution of pressure; a large and deep depression travelled eastward in the far north of Europe. Fine, dry weather prevailed over the United Kingdom, but rain fell in Norway, some parts of Russia, Spain, the south of France, and at Turin. Temperature rose to 301°A at Tunis and Laghouat to 296°A at Malaga, and to 294°A or above at many other southern stations. In the north of France and central Europe the thermometer remained below 289°A, only rising to 283°A in some localities. Readings of 289°A were reported in a few parts of England and Ireland, but on the east coast the value was only about 284°A. Frost occurred on the grass at night over a large portion of this country, and was recorded by the sheltered thermometer at some places in the far north of the Continent.

## *SURFACE TEMPERATURE of the SEA during the week ended Saturday, 25TH APRIL, 1914.*

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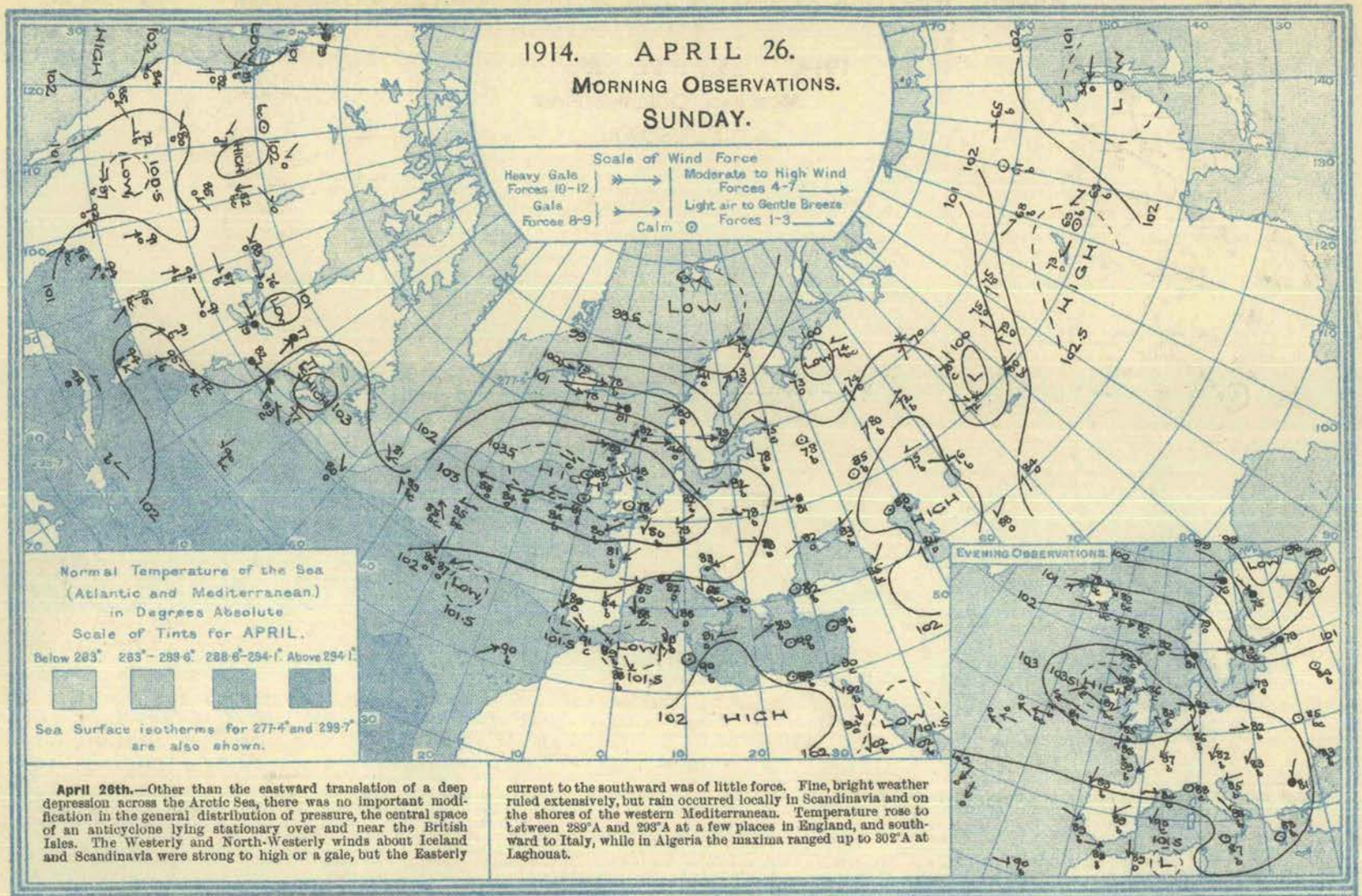
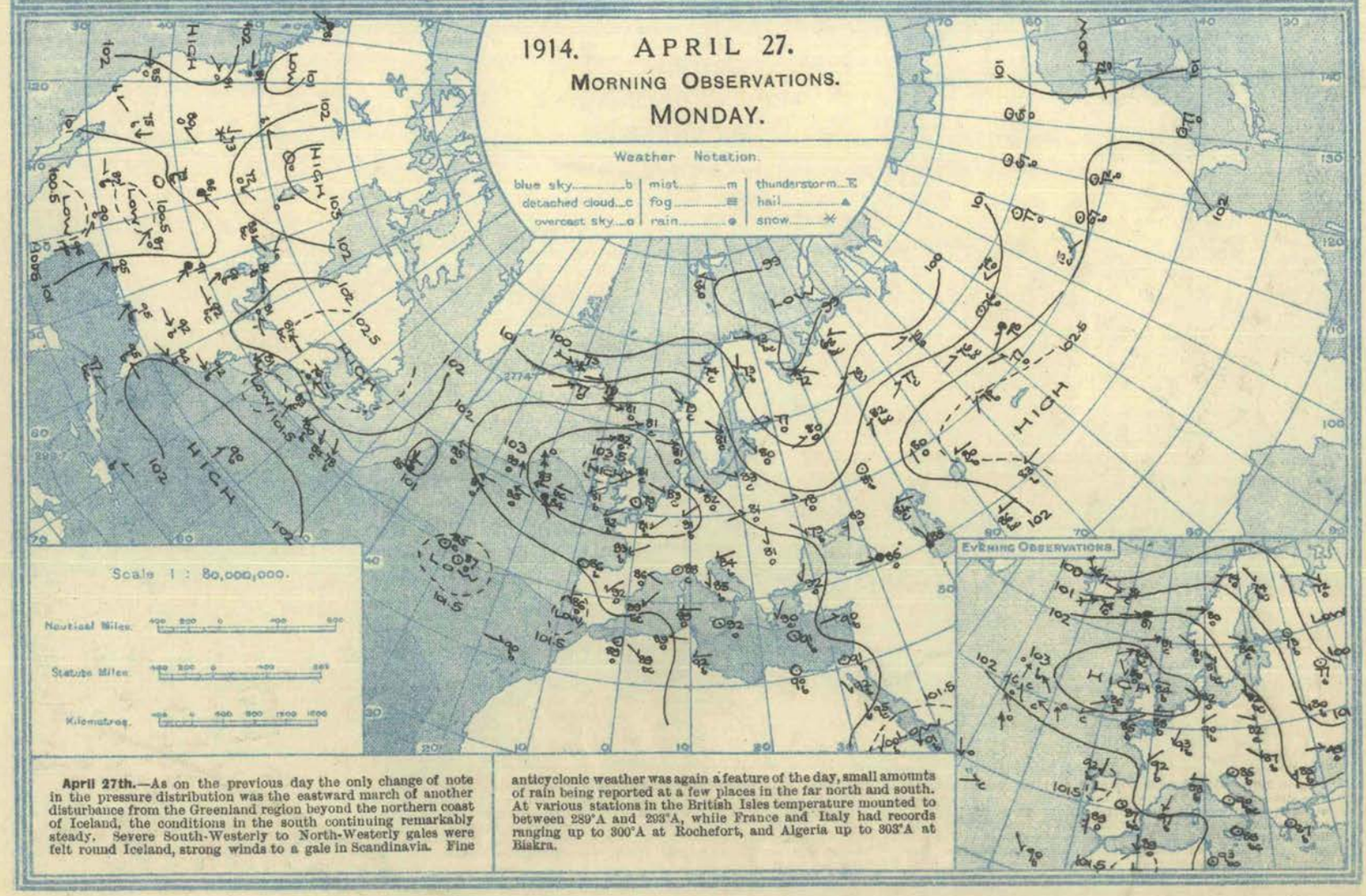
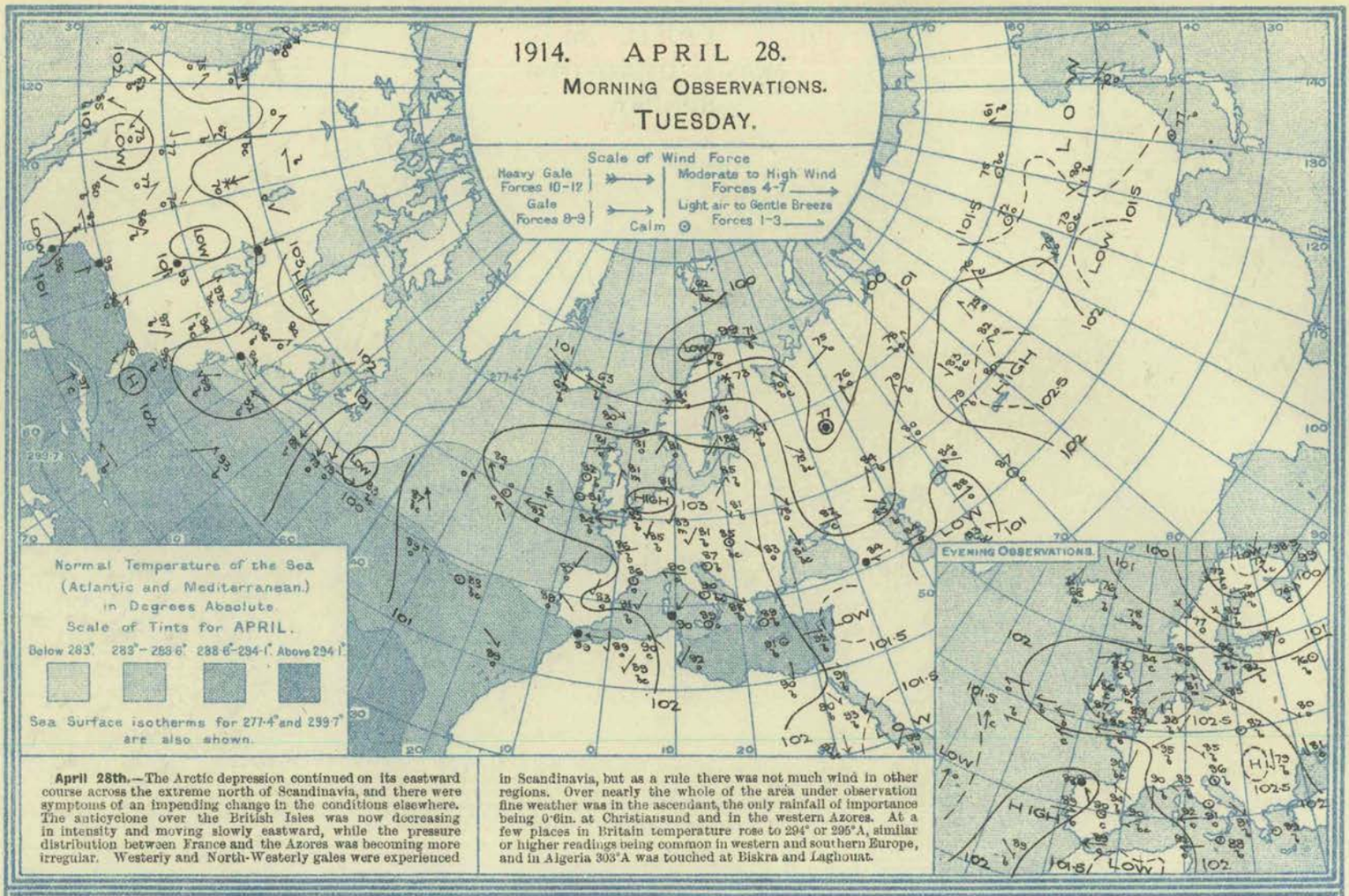


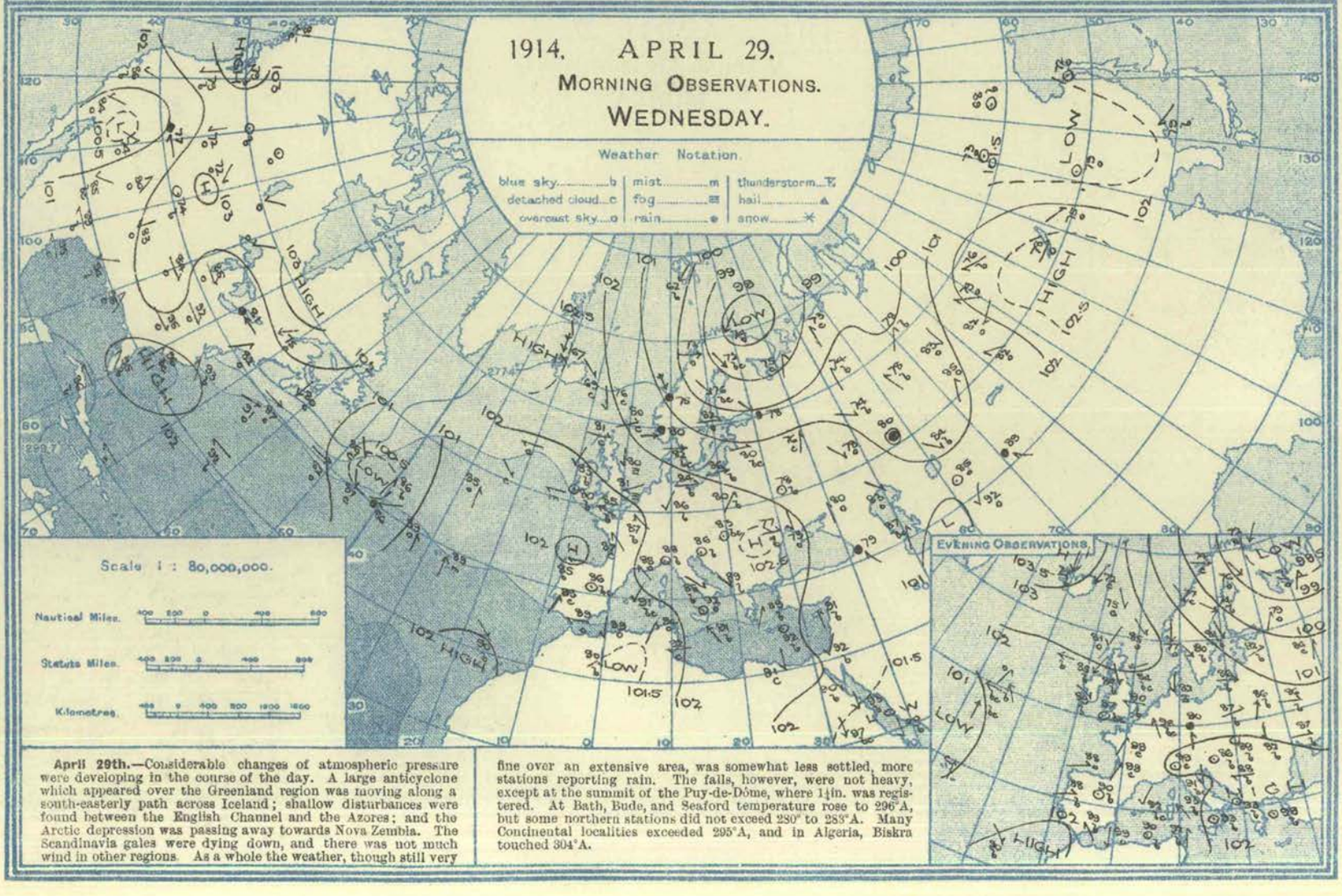

**April 26th.**—Other than the eastward translation of a deep depression across the Arctic Sea, there was no important modification in the general distribution of pressure, the central space of an anticyclone lying stationary over and near the British Isles. The Westerly and North-Westerly winds about Iceland and Scandinavia were strong to high or a gale, but the Easterly current to the southward was of little force. Fine, bright weather ruled extensively, but rain occurred locally in Scandinavia and on the shores of the western Mediterranean. Temperature rose to between 289°A and 293°A at a few places in England, and southward to Italy, while in Algeria the maxima ranged up to 302°A at Laghouat.



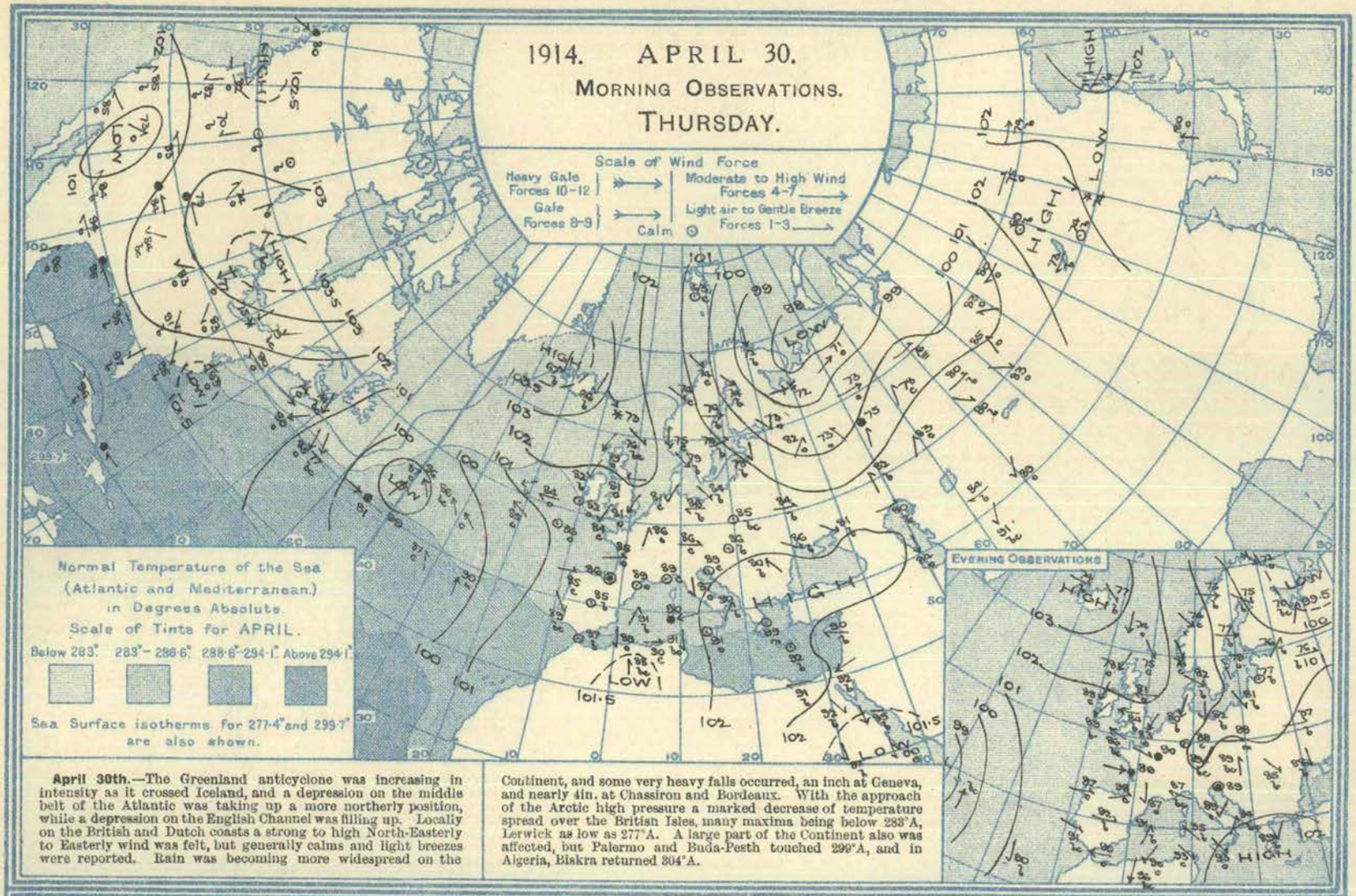

**April 27th.**—As on the previous day the only change of note in the pressure distribution was the eastward march of another disturbance from the Greenland region beyond the northern coast of Iceland, the conditions in the south continuing remarkably steady. Severe South-Westerly to North-Westerly gales were felt round Iceland, strong winds to a gale in Scandinavia. Fine anticyclonic weather was again a feature of the day, small amounts of rain being reported at a few places in the far north and south. At various stations in the British Isles temperature mounted to between 289°A and 293°A, while France and Italy had records ranging up to 300°A at Rochefort, and Algeria up to 303°A at Biskra.



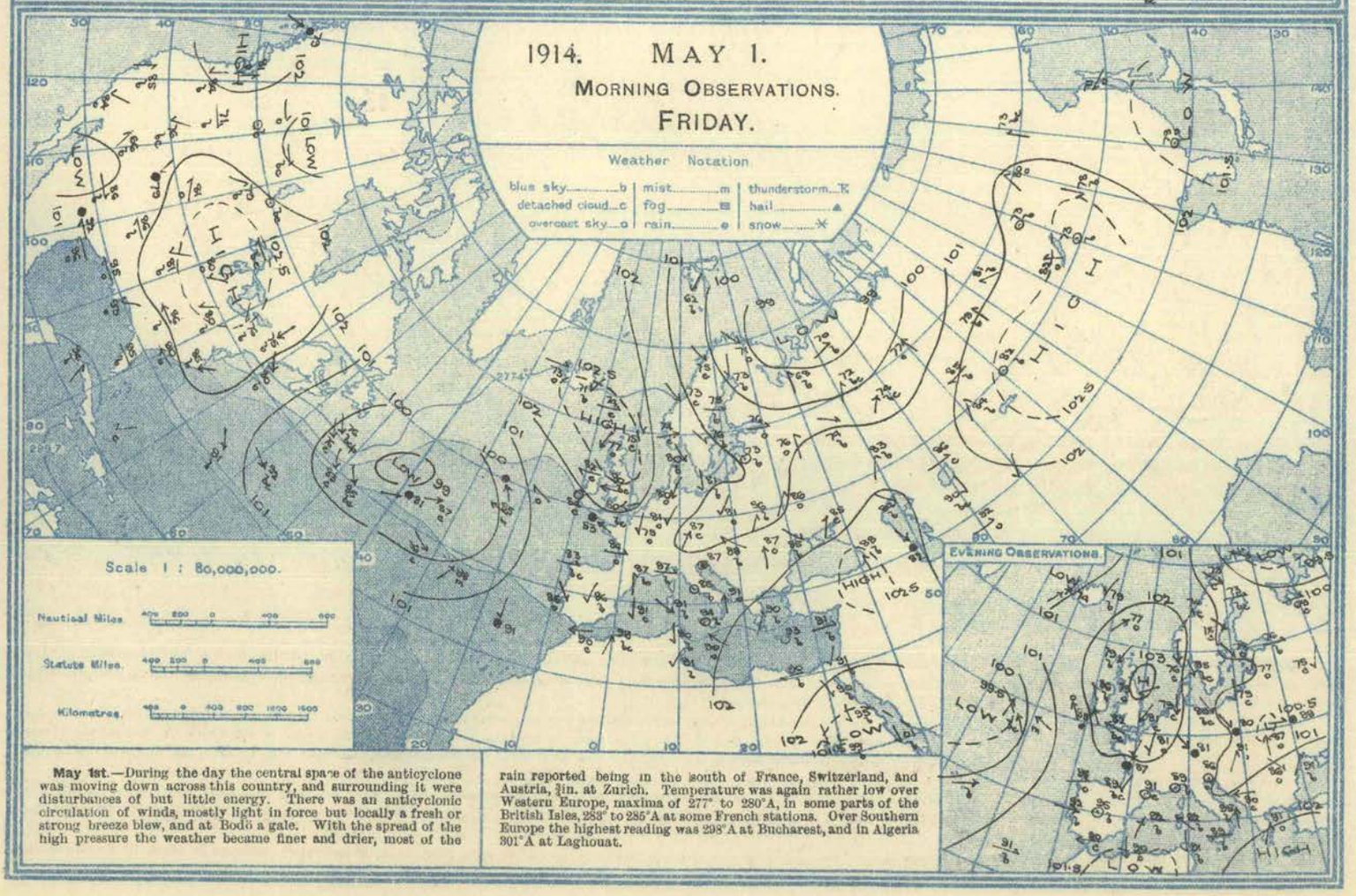

**April 28th.**—The Arctic depression continued on its eastward course across the extreme north of Scandinavia, and there were symptoms of an impending change in the conditions elsewhere. The anticyclone over the British Isles was now decreasing in intensity and moving slowly eastward, while the pressure distribution between France and the Azores was becoming more irregular. Westerly and North-Westerly gales were experienced in Scandinavia, but as a rule there was not much wind in other regions. Over nearly the whole of the area under observation fine weather was in the ascendant, the only rainfall of importance being 0·6in. at Christiansund and in the western Azores. At a few places in Britain temperature rose to 294° or 295°A, similar or higher readings being common in western and southern Europe, and in Algeria 303°A was touched at Biskra and Laghouat.



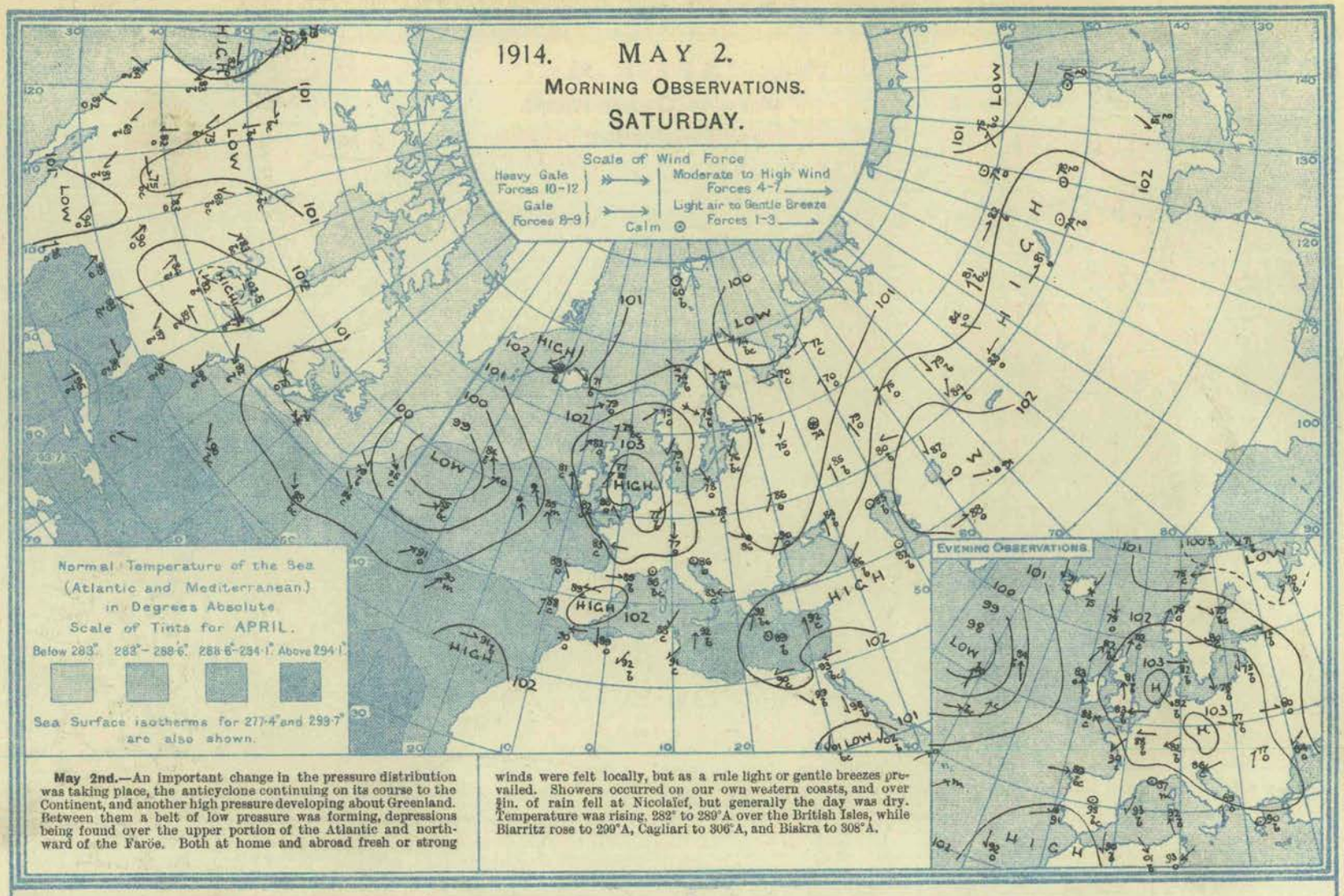

**April 29th.**—Considerable changes of atmospheric pressure were developing in the course of the day. A large anticyclone which appeared over the Greenland region was moving along a south-easterly path across Iceland; shallow disturbances were found between the English Channel and the Azores; and the Arctic depression was passing away towards Nova Zembla. The Scandinavia gales were dying down, and there was not much wind in other regions. As a whole the weather, though still very fine over an extensive area, was somewhat less settled, more stations reporting rain. The falls, however, were not heavy, except at the summit of the Puy-de-Dôme, where 1¼in. was registered. At Bath, Bude, and Seaford temperature rose to 296°A, but some northern stations did not exceed 280° to 283°A. Many Continental localities exceeded 295°A, and in Algeria, Biskra touched 304°A.




**April 30th.**—The Greenland anticyclone was increasing in intensity as it crossed Iceland, and a depression on the middle belt of the Atlantic was taking up a more northerly position, while a depression on the English Channel was filling up. Locally on the British and Dutch coasts a strong to high North-Easterly to Easterly wind was felt, but generally calms and light breezes were reported. Rain was becoming more widespread on the Continent, and some very heavy falls occurred, an inch at Geneva, and nearly 4in. at Chassiron and Bordeaux. With the approach of the Arctic high pressure a marked decrease of temperature spread over the British Isles, many maxima being below 283°A, Lerwick as low as 277°A. A large part of the Continent also was affected, but Palermo and Buda-Pesth touched 299°A, and in Algeria, Biskra returned 304°A.

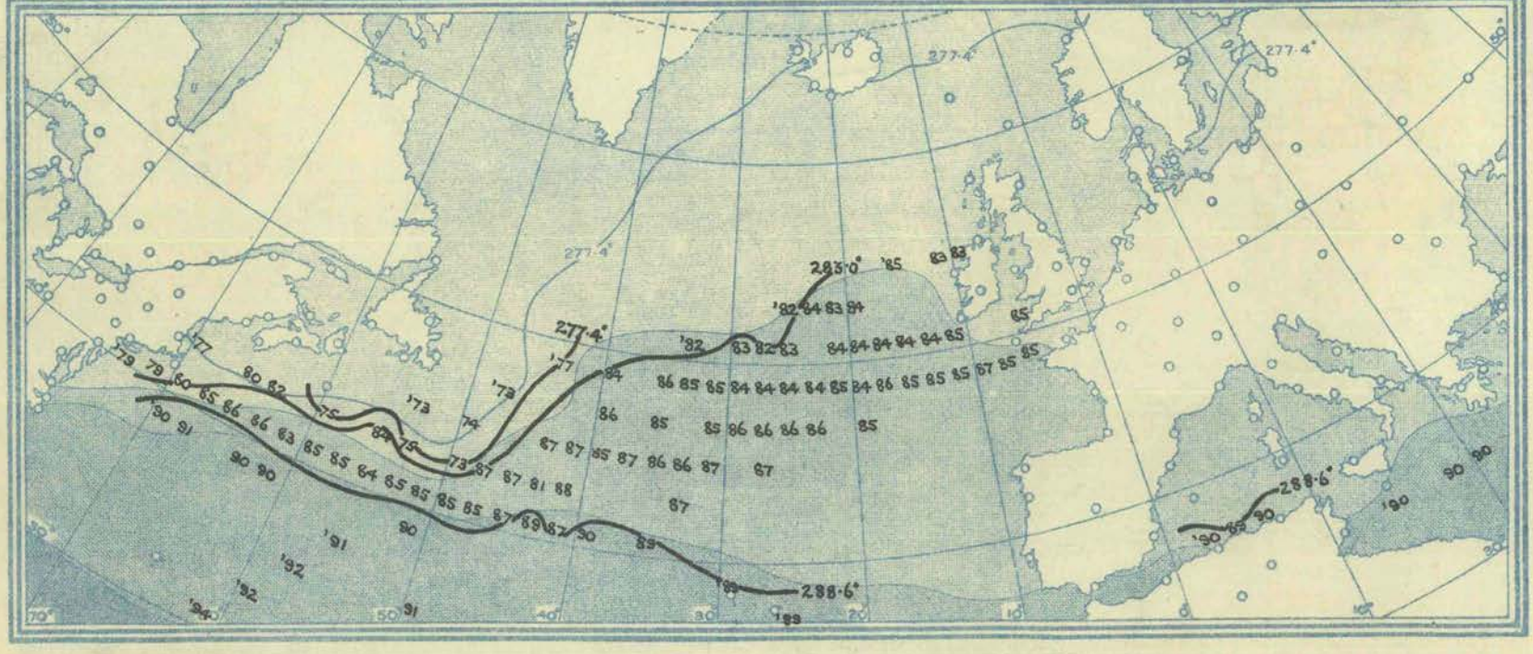



**May 1st.**—During the day the central space of the anticyclone was moving down across this country, and surrounding it were disturbances of but little energy. There was an anticyclonic circulation of winds, mostly light in force but locally a fresh or strong breeze blew, and at Bodö a gale. With the spread of the high pressure the weather became finer and drier, most of the rain reported being in the south of France, Switzerland, and Austria, ¾in. at Zurich. Temperature was again rather low over Western Europe, maxima of 277° to 280°A, in some parts of the British Isles, 283° to 285°A at some French stations. Over Southern Europe the highest reading was 298°A at Bucharest, and in Algeria 301°A at Laghouat.




**May 2nd.**—An important change in the pressure distribution was taking place, the anticyclone continuing on its course to the Continent, and another high pressure developing about Greenland. Between them a belt of low pressure was forming, depressions being found over the upper portion of the Atlantic and northward of the Faröe. Both at home and abroad fresh or strong winds were felt locally, but as a rule light or gentle breezes prevailed. Showers occurred on our own western coasts, and over ¼in. of rain fell at Nicolaïef, but generally the day was dry. Temperature was rising, 282° to 289°A over the British Isles, while Biarritz rose to 299°A, Cagliari to 306°A, and Biskra to 308°A.

## *SURFACE TEMPERATURE of the SEA during the week ended Saturday, 2nd MAY, 1914.*




**Explanation of Charts.**—The height of the barometer is expressed by isobars, which are drawn for intervals of one centibar, the equivalent on the absolute scale of pressure units of 0·295 mercury inches. 1 centibar = 10 millibars. 100 centibars = 29·53 mercury inches = 750·1 mercury millimetres. The winds are shown by arrows which are drawn flying with the wind. Temperatures are given in degrees Absolute, freezing point = 273°, the initial 2 being omitted.

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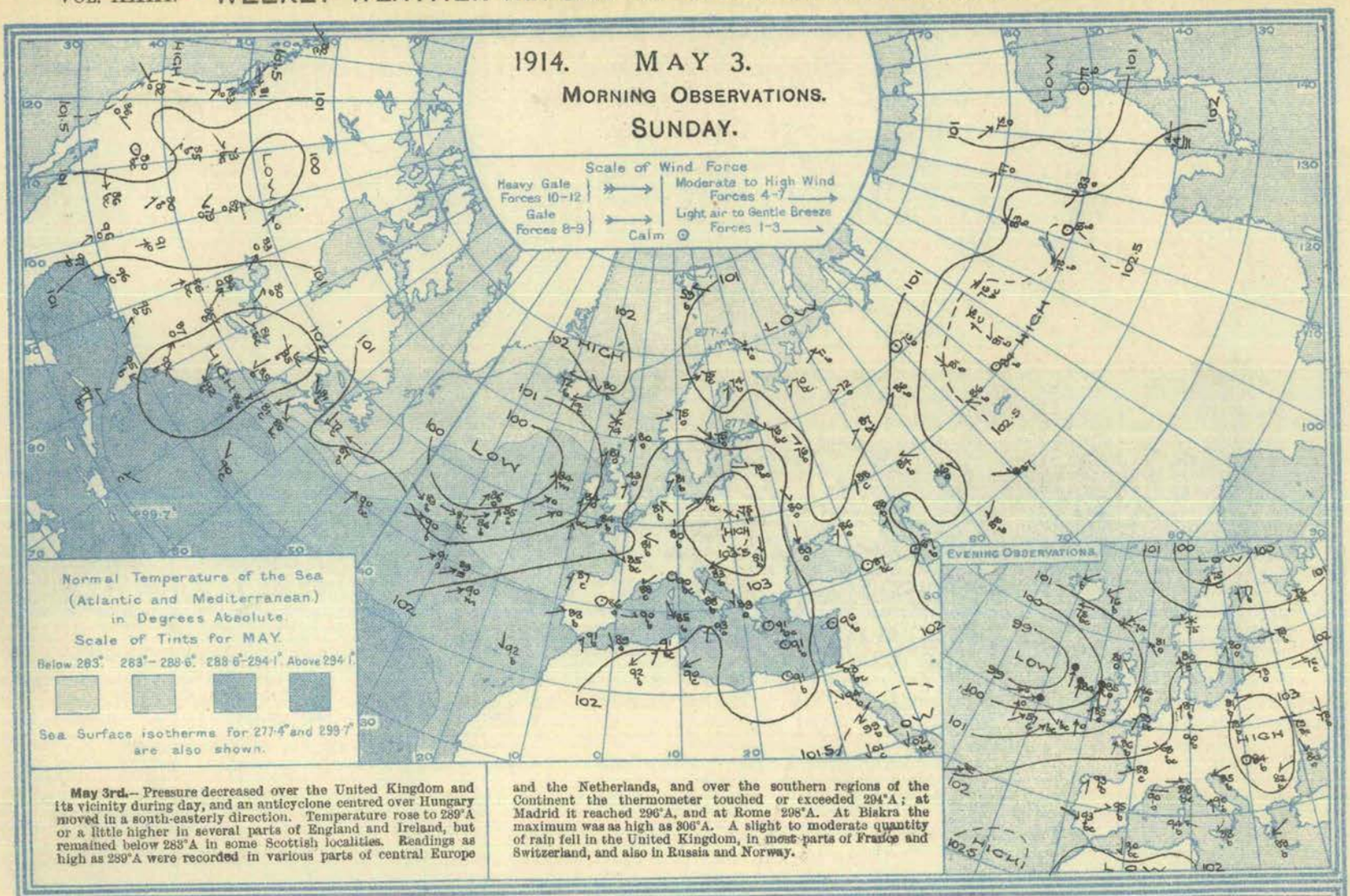
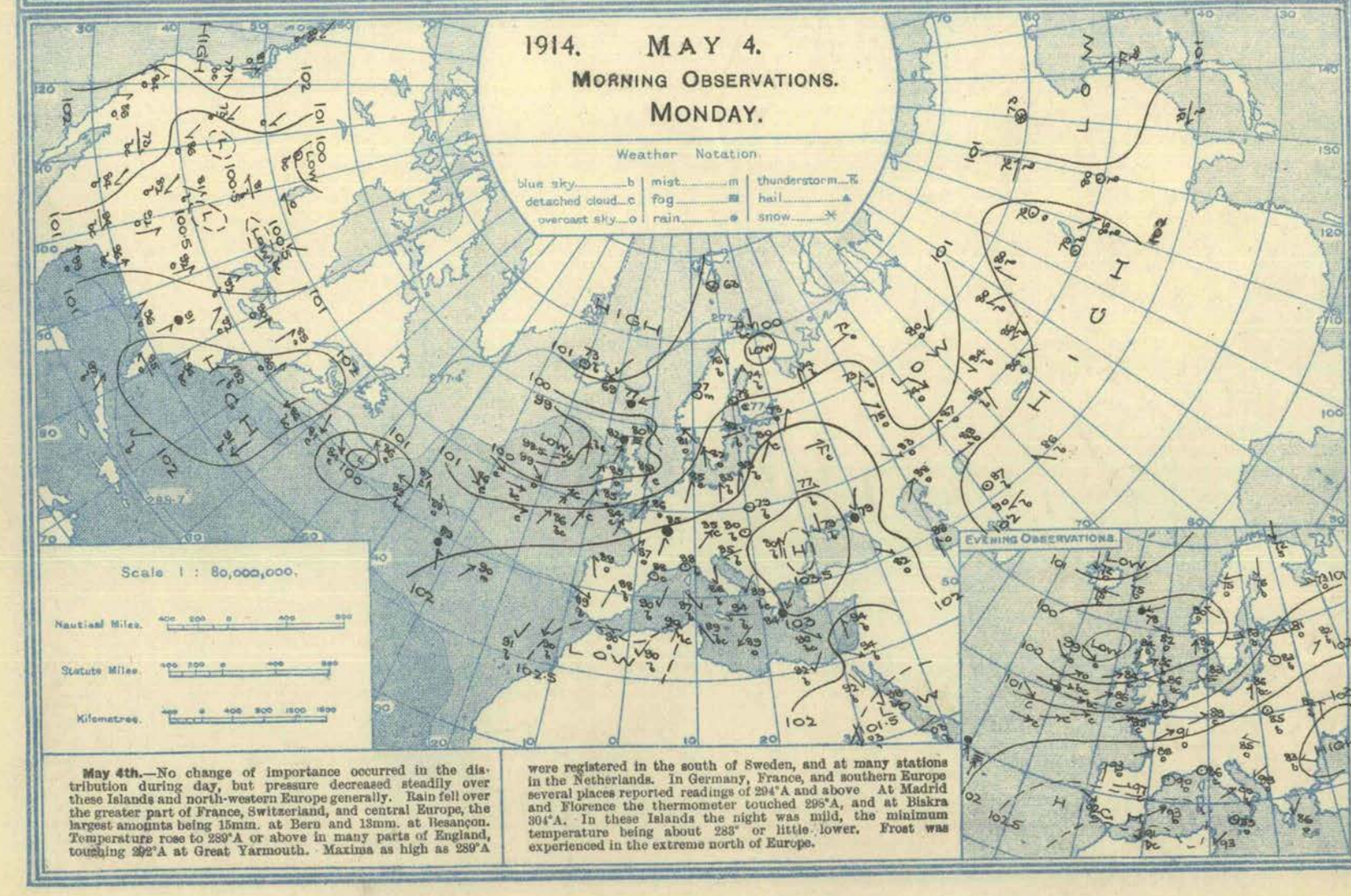
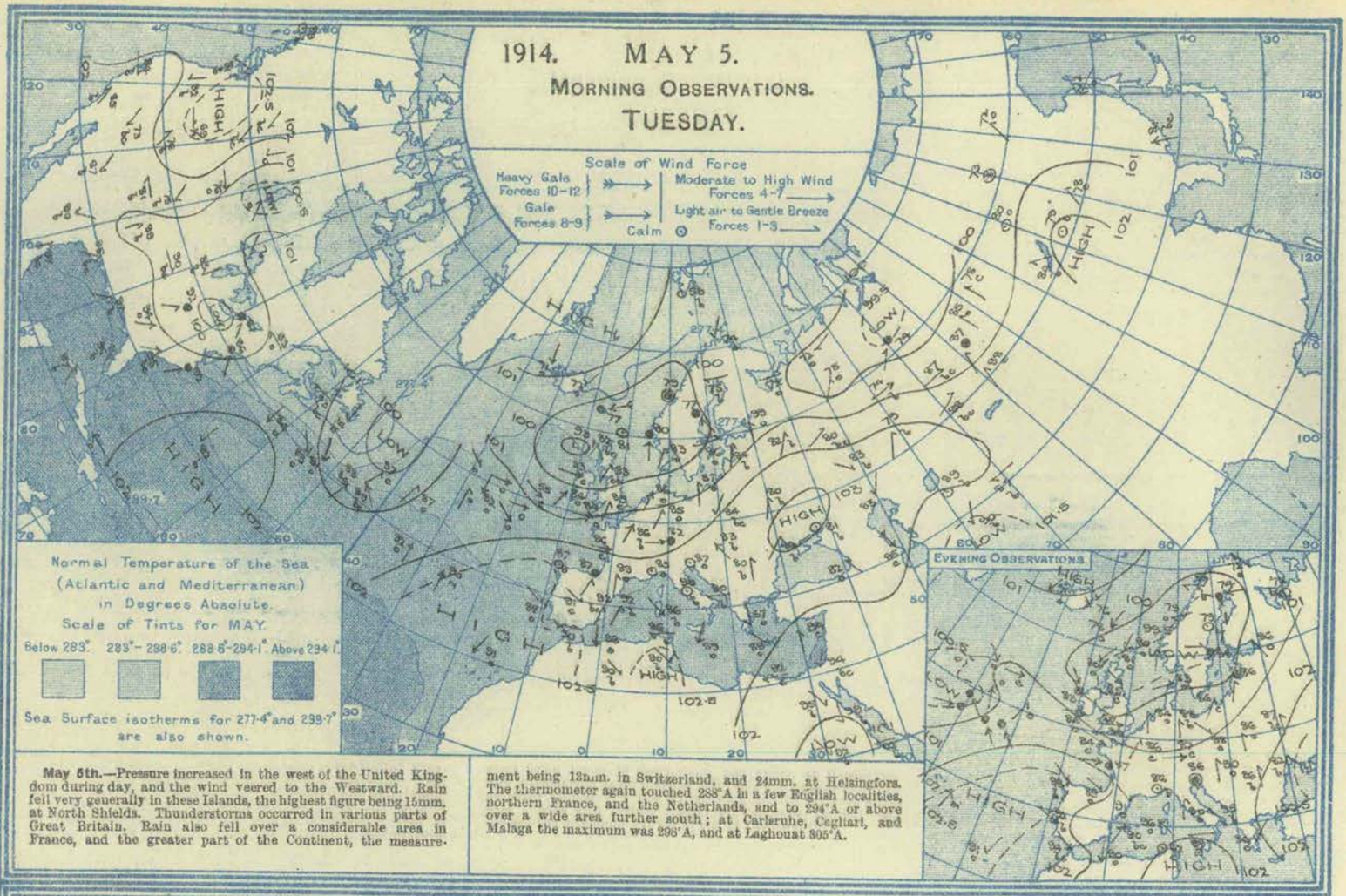


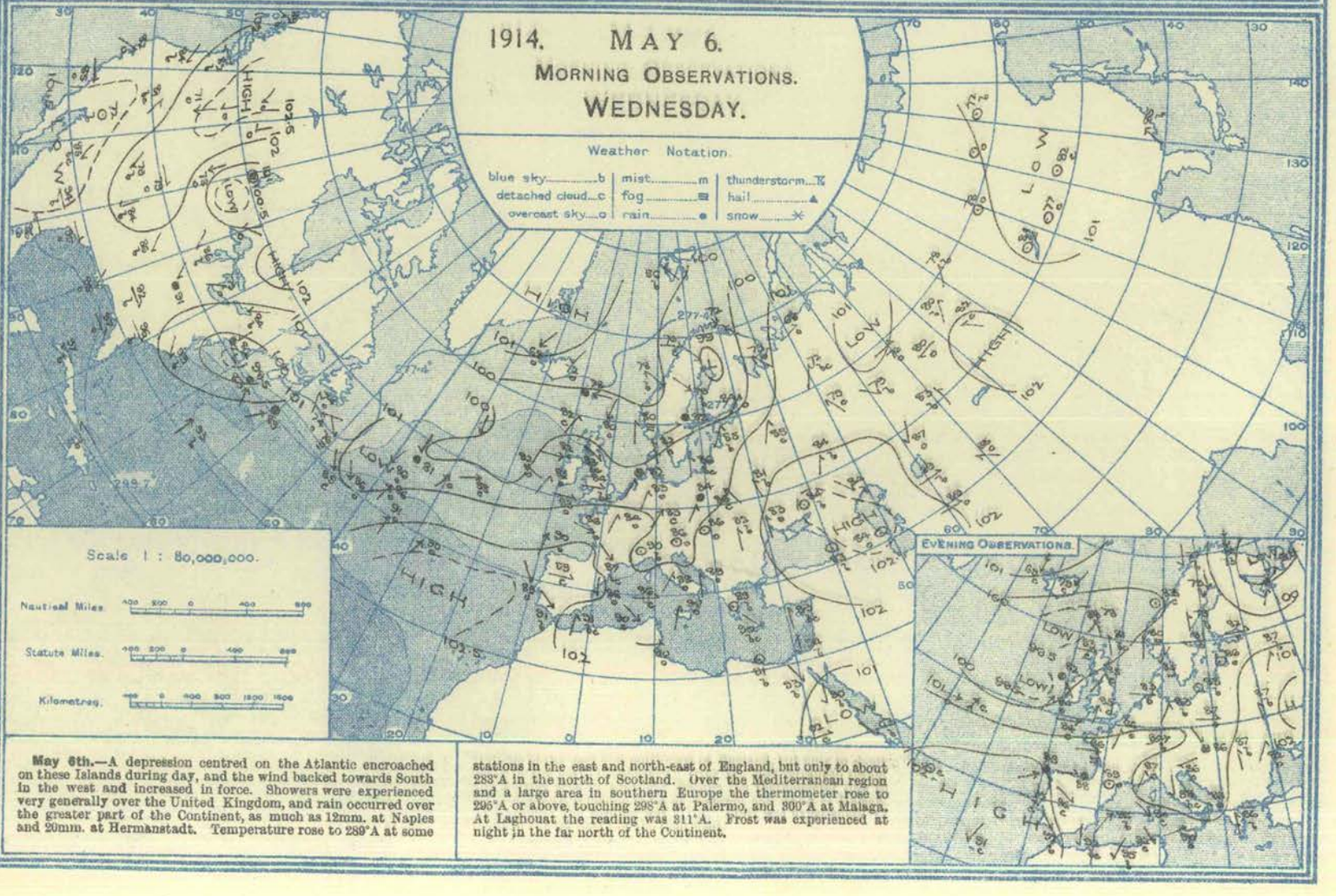

**May 3rd.**—Pressure decreased over the United Kingdom and its vicinity during day, and an anticyclone centred over Hungary moved in a south-easterly direction. Temperature rose to 289°A or a little higher in several parts of England and Ireland, but remained below 283°A in some Scottish localities. Readings as high as 289°A were recorded in various parts of central Europe and the Netherlands, and over the southern regions of the Continent the thermometer touched or exceeded 294°A; at Madrid it reached 296°A, and at Rome 298°A. At Biskra the maximum was as high as 306°A. A slight to moderate quantity of rain fell in the United Kingdom, in most parts of France and Switzerland, and also in Russia and Norway.



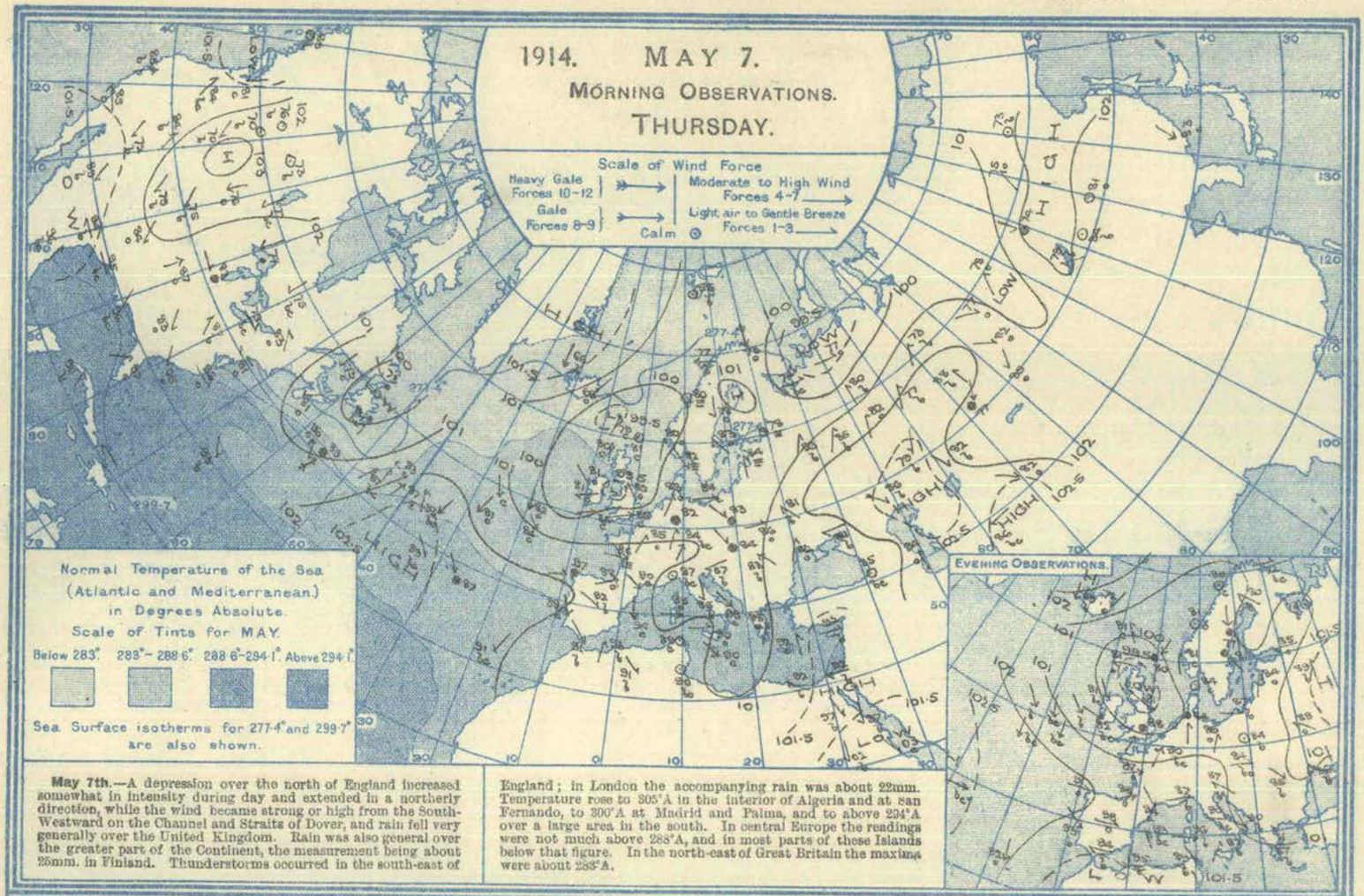

**May 4th.**—No change of importance occurred in the distribution during day, but pressure decreased steadily over these Islands and north-western Europe generally. Rain fell over the greater part of France, Switzerland, and central Europe, the largest amounts being 15mm. at Bern and 13mm. at Besançon. Temperature rose to 289°A or above in many parts of England, touching 292°A at Great Yarmouth. Maxima as high as 289°A were registered in the south of Sweden, and at many stations in the Netherlands. In Germany, France, and southern Europe several places reported readings of 294°A and above. At Madrid and Florence the thermometer touched 298°A, and at Biskra 304°A. In these Islands the night was mild, the minimum temperature being about 283° or little lower. Frost was experienced in the extreme north of Europe.



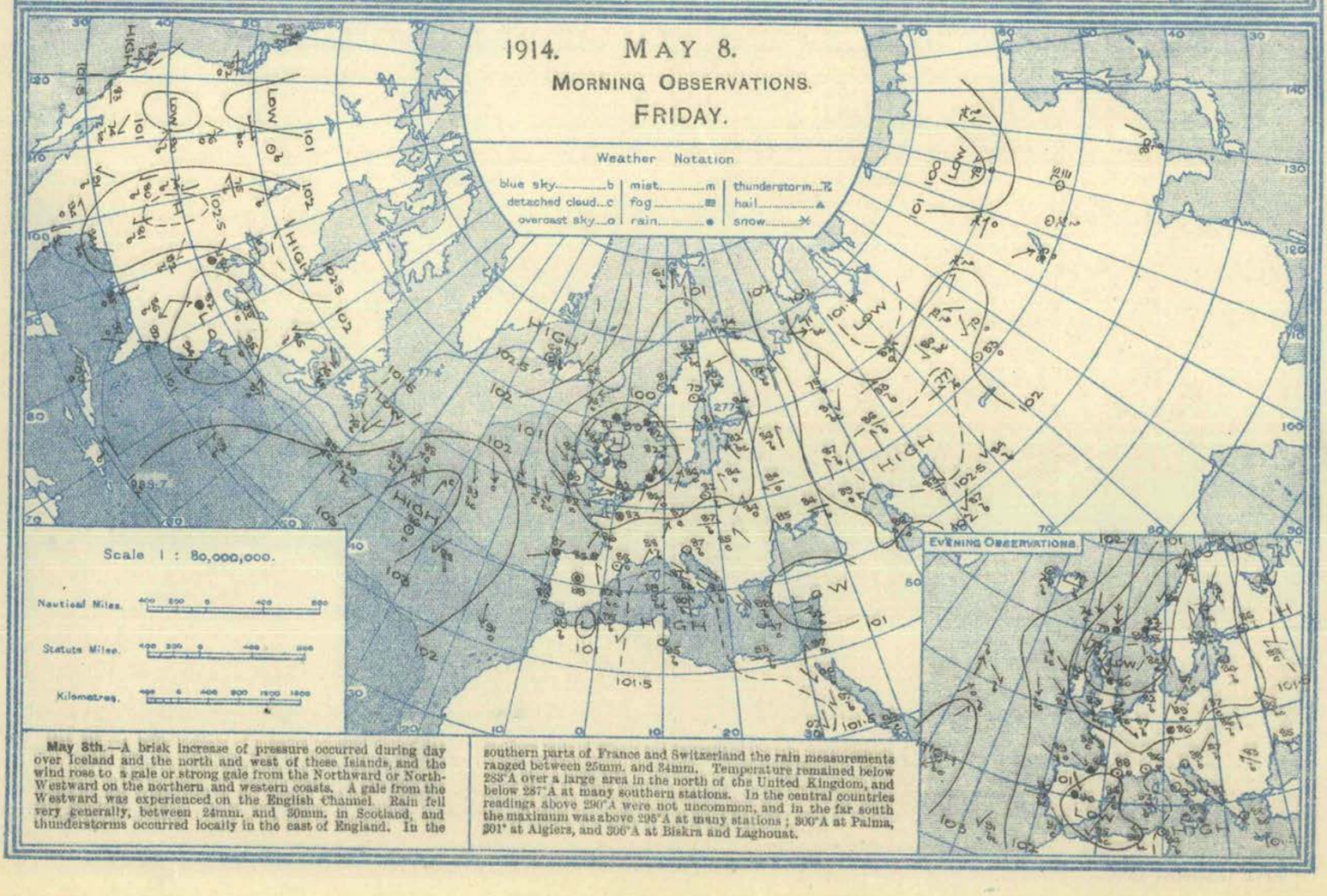

**May 5th.**—Pressure increased in the west of the United Kingdom during day, and the wind veered to the Westward. Rain fell very generally in these Islands, the highest figure being 15mm. at North Shields. Thunderstorms occurred in various parts of Great Britain. Rain also fell over a considerable area in France, and the greater part of the Continent, the measurement being 13mm. in Switzerland, and 24mm. at Helsingfors. The thermometer again touched 288°A in a few English localities, northern France, and the Netherlands, and to 294°A or above over a wide area further south; at Carlsruhe, Cagliari, and Malaga the maximum was 298°A, and at Laghouat 305°A.



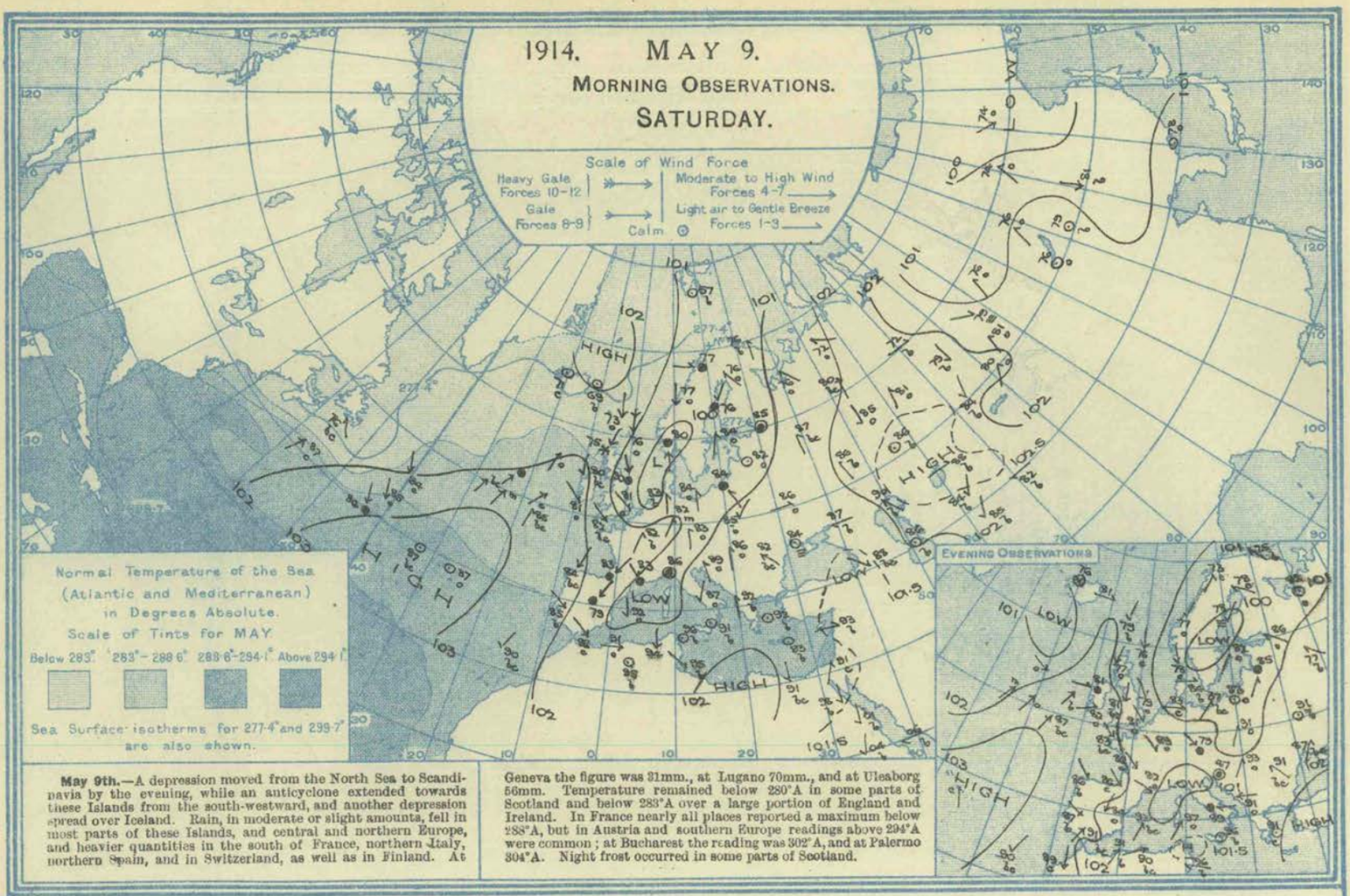

**May 6th.**—A depression centred on the Atlantic encroached on these Islands during day, and the wind backed towards South in the west and increased in force. Showers were experienced very generally over the United Kingdom, and rain occurred over the greater part of the Continent, as much as 12mm. at Naples and 20mm. at Hermanstadt. Temperature rose to 289°A at some stations in the east and north-east of England, but only to about 283°A in the north of Scotland. Over the Mediterranean region and a large area in southern Europe the thermometer rose to 295°A or above, touching 298°A at Palermo, and 300°A at Malaga. At Laghouat the reading was 311°A. Frost was experienced at night in the far north of the Continent.




**May 7th.**—A depression over the north of England increased somewhat in intensity during day and extended in a northerly direction, while the wind became strong or high from the South-Westward on the Channel and Straits of Dover, and rain fell very generally over the United Kingdom. Rain was also general over the greater part of the Continent, the measurement being about 25mm. in Finland. Thunderstorms occurred in the south-east of England; in London the accompanying rain was about 22mm. Temperature rose to 305°A in the interior of Algeria and at San Fernando, to 300°A at Madrid and Palma, and to above 294°A over a large area in the south. In central Europe the readings were not much above 288°A, and in most parts of these Islands below that figure. In the north-east of Great Britain the maxima were about 283°A.

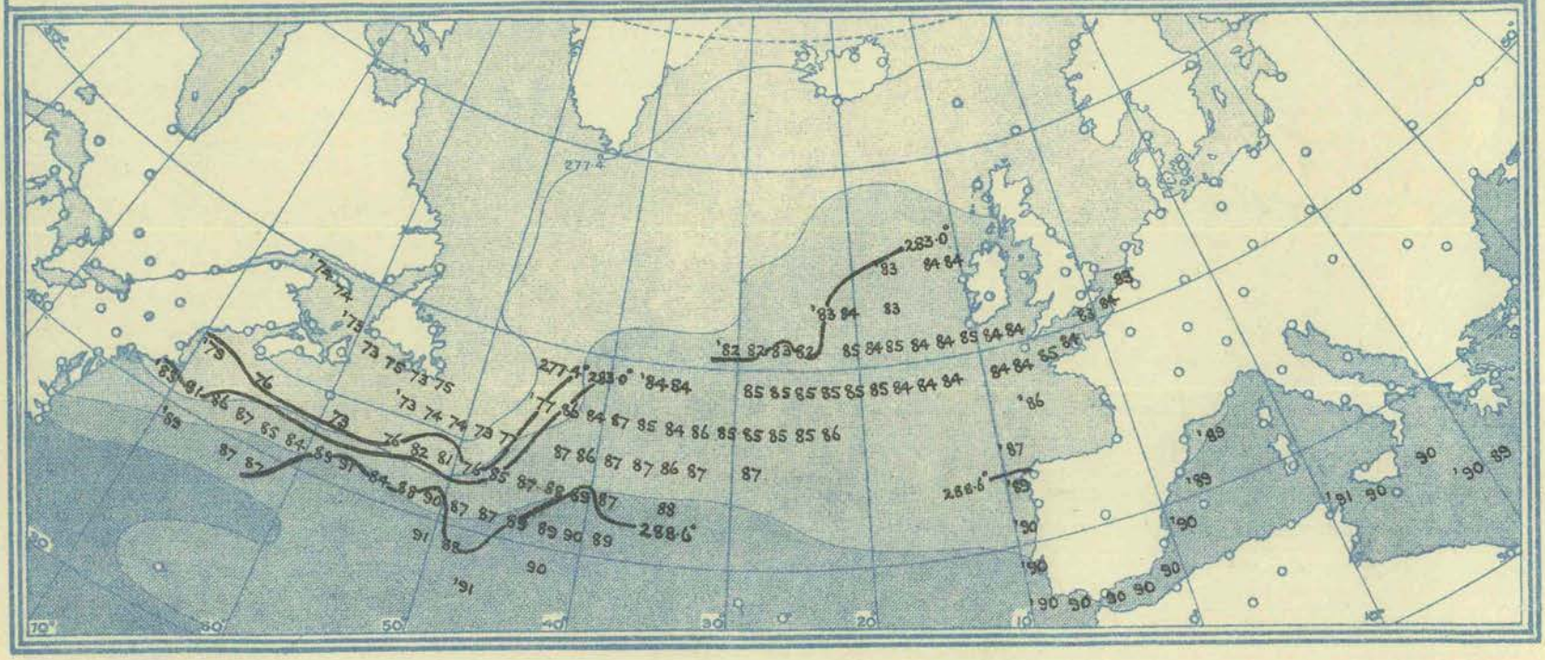



**May 8th.**—A brisk increase of pressure occurred during day over Iceland and the north and west of these Islands, and the wind rose to a gale or strong gale from the Northward or North-Westward on the northern and western coasts. A gale from the Westward was experienced on the English Channel. Rain fell very generally, between 24mm. and 30mm. in Scotland, and thunderstorms occurred locally in the east of England. In the southern parts of France and Switzerland the rain measurements ranged between 25mm. and 34mm. Temperature remained below 283°A over a large area in the north of the United Kingdom, and below 287°A at many southern stations. In the central countries readings above 290°A were not uncommon, and in the far south the maximum was above 295°A at many stations; 300°A at Palma, 301° at Algiers, and 306°A at Biskra and Laghouat.




**May 9th.**—A depression moved from the North Sea to Scandinavia by the evening, while an anticyclone extended towards these Islands from the south-westward, and another depression spread over Iceland. Rain, in moderate or slight amounts, fell in most parts of these Islands, and central and northern Europe, and heavier quantities in the south of France, northern Italy, northern Spain, and in Switzerland, as well as in Finland. At Geneva the figure was 31mm., at Lugano 70mm., and at Uleaborg 56mm. Temperature remained below 280°A in some parts of Scotland and below 283°A over a large portion of England and Ireland. In France nearly all places reported a maximum below 288°A, but in Austria and southern Europe readings above 294°A were common; at Bucharest the reading was 302°A, and at Palermo 304°A. Night frost occurred in some parts of Scotland.

## SURFACE TEMPERATURE of the SEA during the week ended Saturday, 9TH MAY, 1914.

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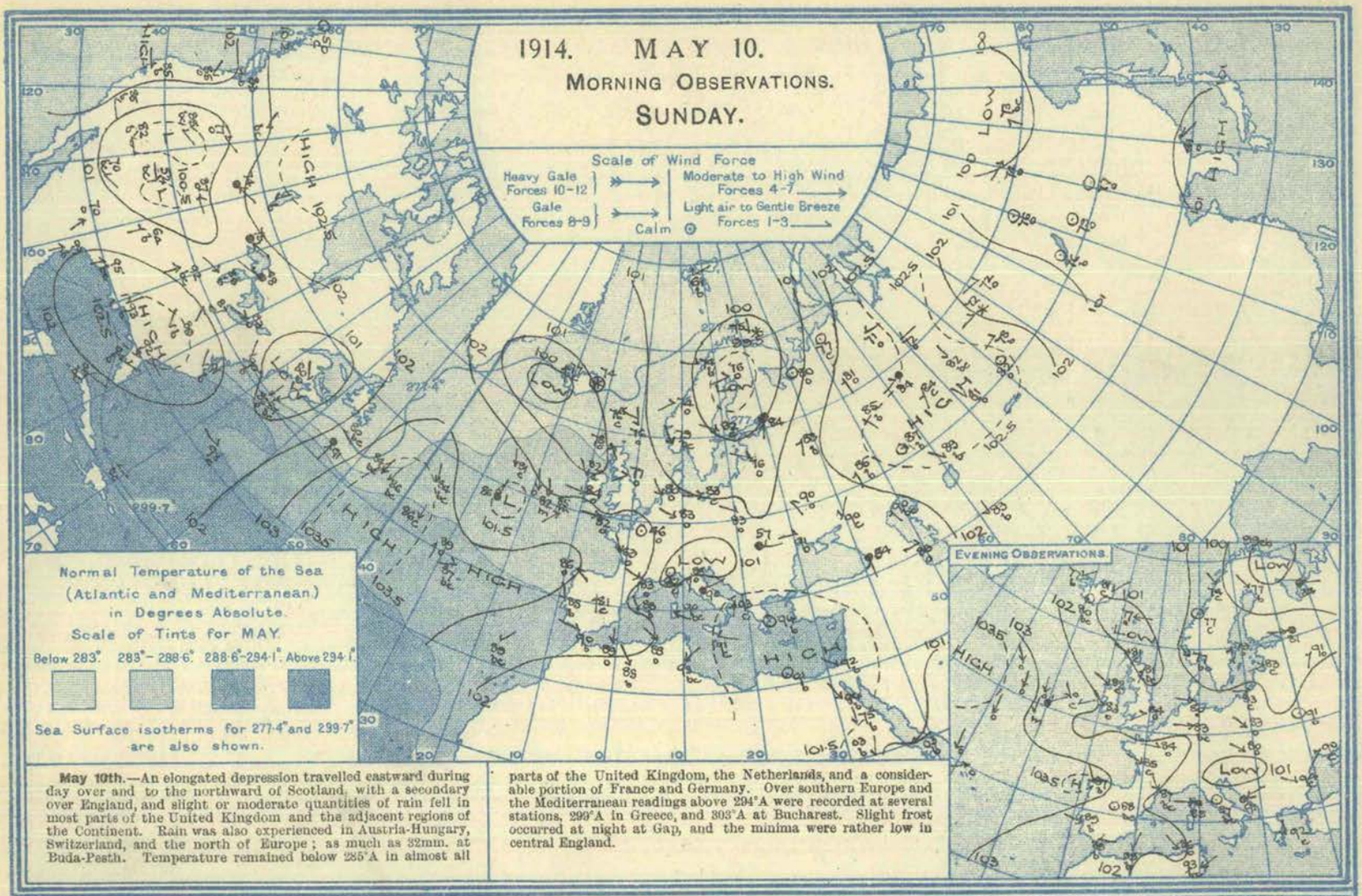
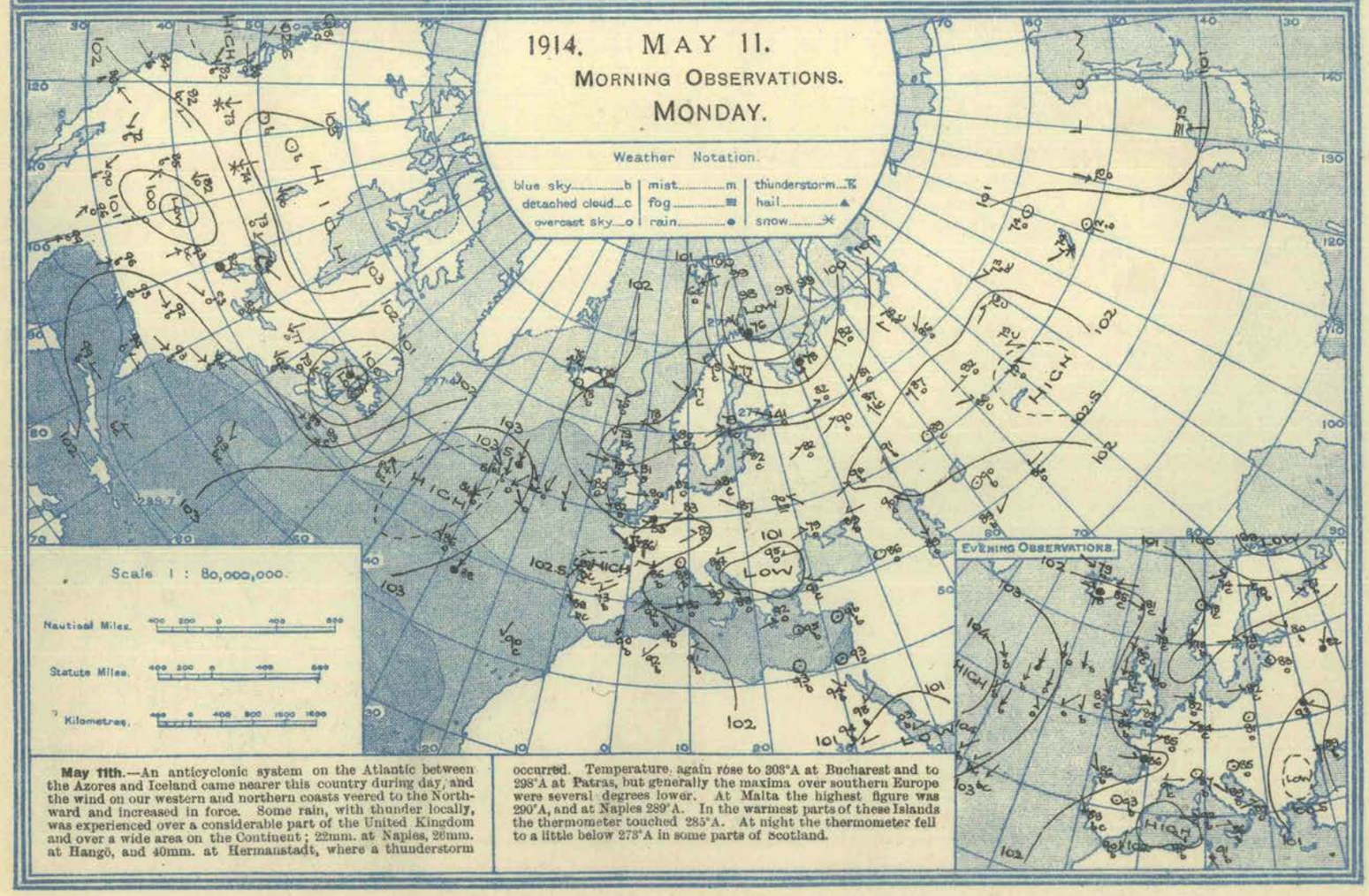
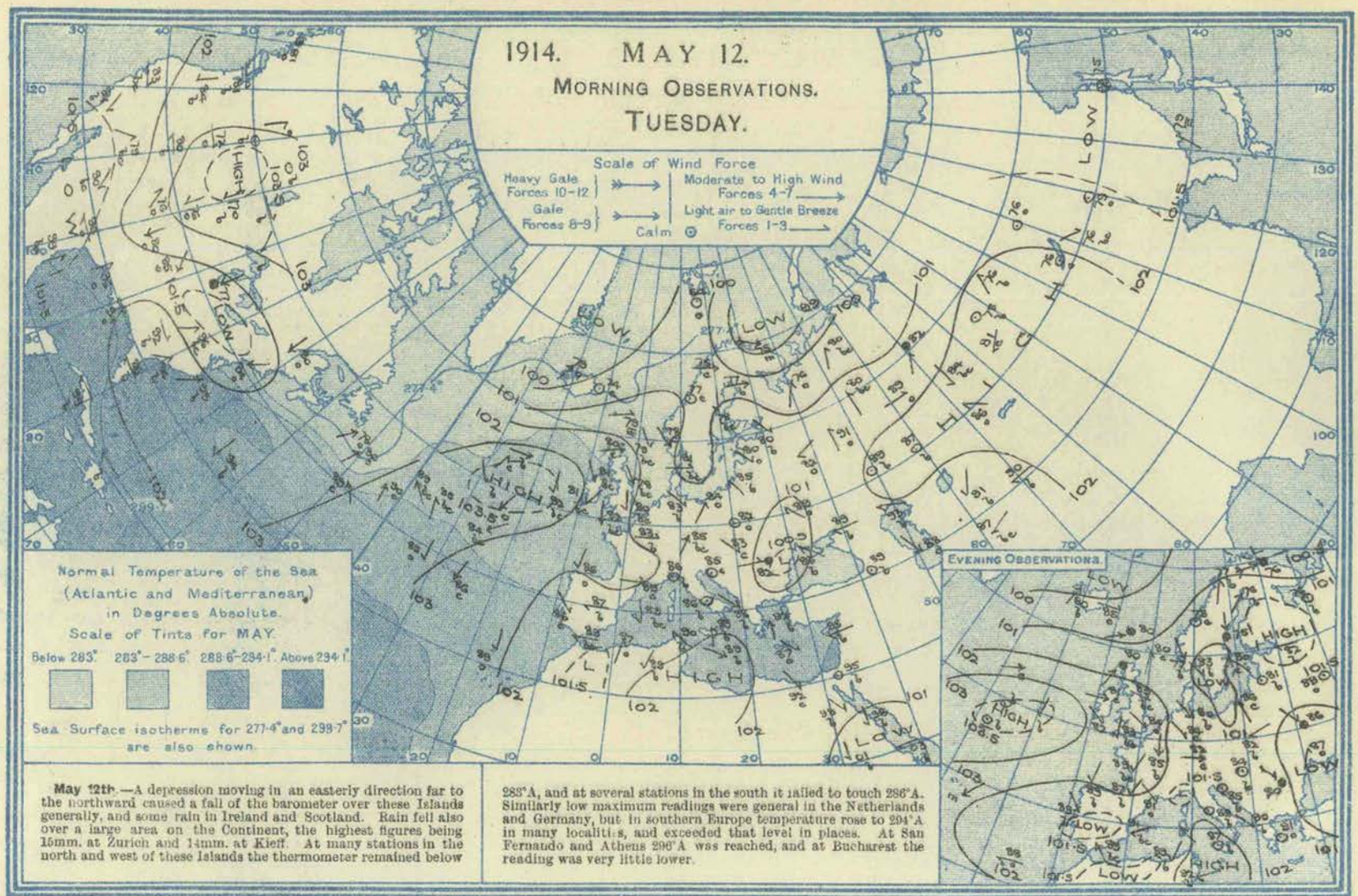


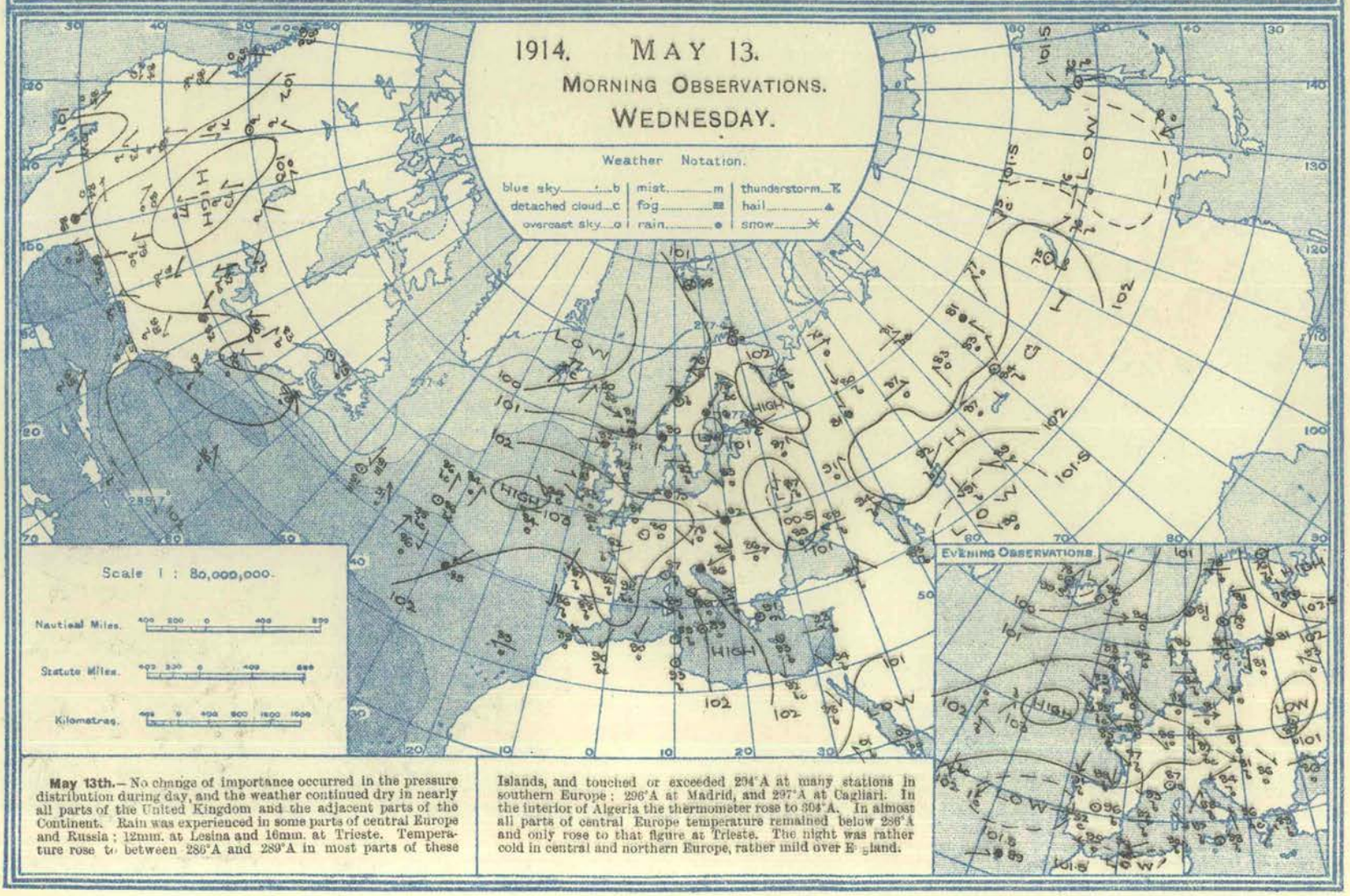

**May 10th.**—An elongated depression travelled eastward during day over and to the northward of Scotland, with a secondary over England, and slight or moderate quantities of rain fell in most parts of the United Kingdom and the adjacent regions of the Continent. Rain was also experienced in Austria-Hungary, Switzerland, and the north of Europe; as much as 32mm. at Buda-Pesth. Temperature remained below 285°A in almost all parts of the United Kingdom, the Netherlands, and a considerable portion of France and Germany. Over southern Europe and the Mediterranean readings above 294°A were recorded at several stations, 299°A in Greece, and 303°A at Bucharest. Slight frost occurred at night at Gap, and the minima were rather low in central England.



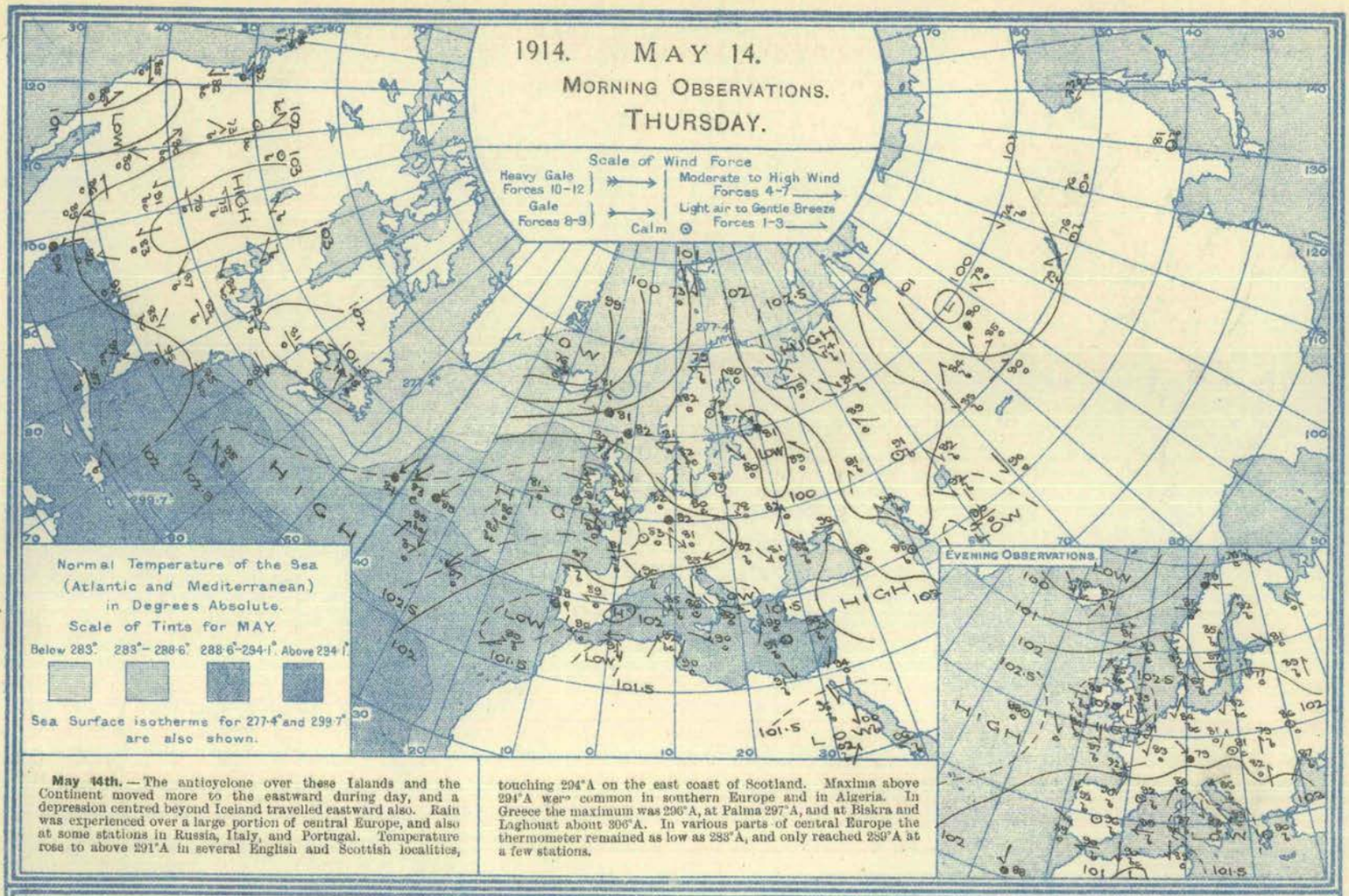

**May 11th.**—An anticyclonic system on the Atlantic between the Azores and Iceland came nearer this country during day, and the wind on our western and northern coasts veered to the Northward and increased in force. Some rain, with thunder locally, was experienced over a considerable part of the United Kingdom and over a wide area on the Continent; 22mm. at Naples, 26mm. at Hangö, and 40mm. at Hermanstadt, where a thunderstorm occurred. Temperature again rose to 303°A at Bucharest and to 298°A at Patras, but generally the maxima over southern Europe were several degrees lower. At Malta the highest figure was 290°A, and at Naples 289°A. In the warmest parts of these Islands the thermometer touched 285°A. At night the thermometer fell to a little below 278°A in some parts of Scotland.



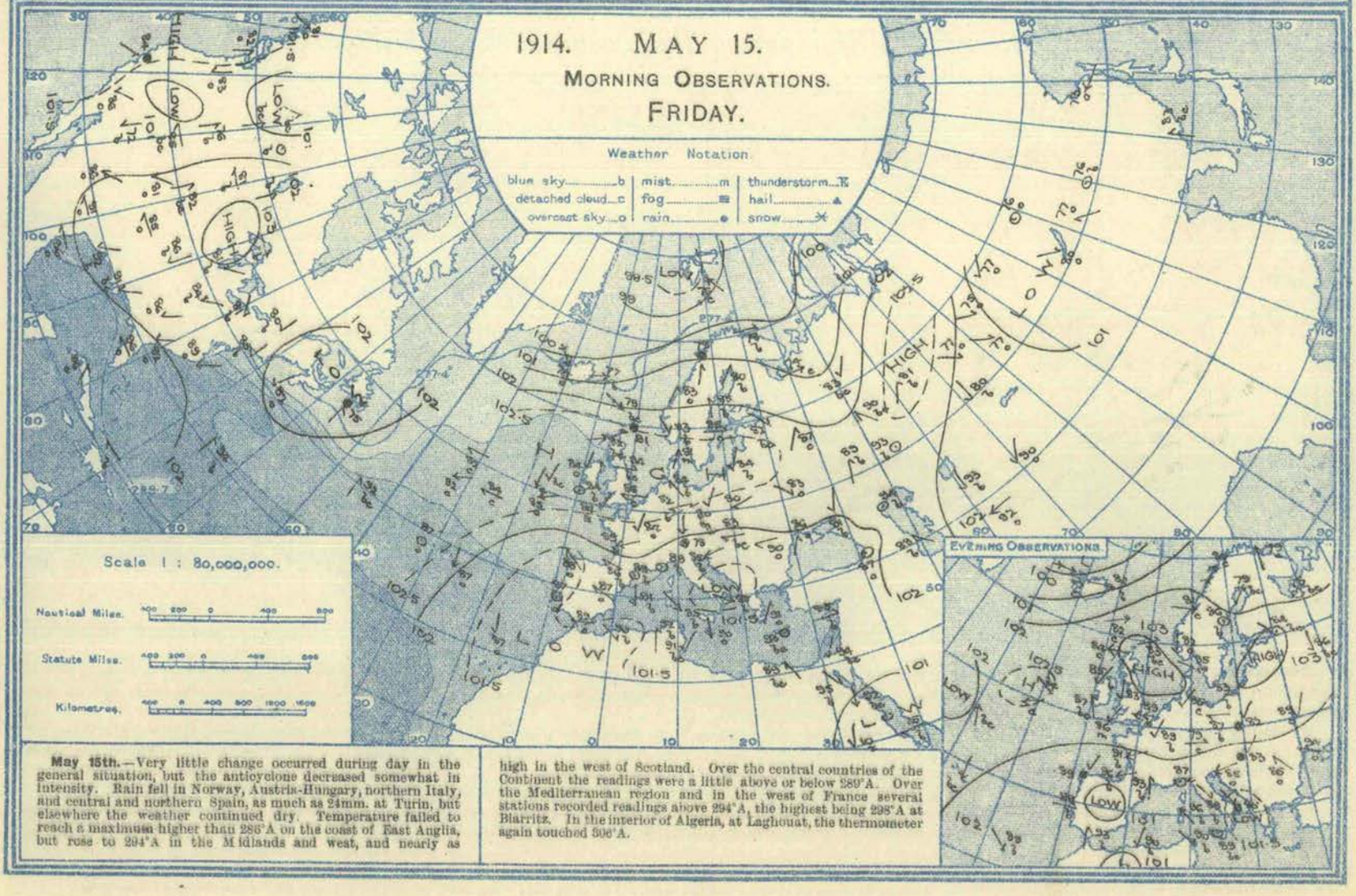

**May 12th.**—A depression moving in an easterly direction far to the northward caused a fall of the barometer over these Islands generally, and some rain in Ireland and Scotland. Rain fell also over a large area on the Continent, the highest figures being 15mm. at Zurich and 14mm. at Kieff. At many stations in the north and west of these Islands the thermometer remained below 283°A, and at several stations in the south it failed to touch 286°A. Similarly low maximum readings were general in the Netherlands and Germany, but in southern Europe temperature rose to 294°A in many localities, and exceeded that level in places. At San Fernando and Athens 296°A was reached, and at Bucharest the reading was very little lower.



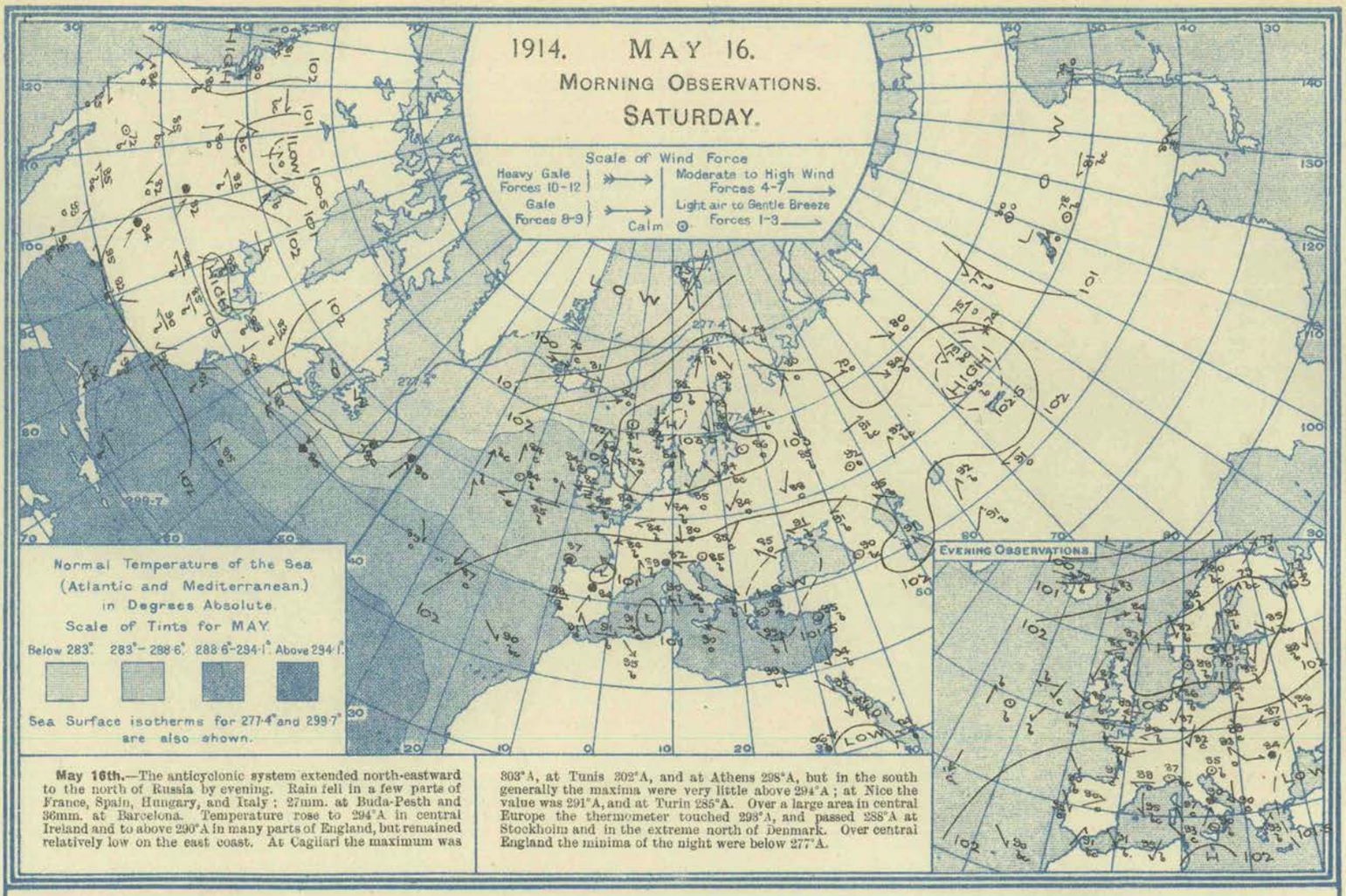

**May 13th.**—No change of importance occurred in the pressure distribution during day, and the weather continued dry in nearly all parts of the United Kingdom and the adjacent parts of the Continent. Rain was experienced in some parts of central Europe and Russia; 12mm. at Lesina and 16mm. at Trieste. Temperature rose to between 286°A and 289°A in most parts of these Islands, and touched or exceeded 294°A at many stations in southern Europe; 296°A at Madrid, and 297°A at Cagliari. In the interior of Algeria the thermometer rose to 304°A. In almost all parts of central Europe temperature remained below 286°A and only rose to that figure at Trieste. The night was rather cold in central and northern Europe, rather mild over England.




**May 14th.**—The anticyclone over these Islands and the Continent moved more to the eastward during day, and a depression centred beyond Iceland travelled eastward also. Rain was experienced over a large portion of central Europe, and also at some stations in Russia, Italy, and Portugal. Temperature rose to above 291°A in several English and Scottish localities, touching 294°A on the east coast of Scotland. Maxima above 294°A were common in southern Europe and in Algeria. In Greece the maximum was 296°A, at Palma 297°A, and at Biskra and Laghouat about 306°A. In various parts of central Europe the thermometer remained as low as 283°A, and only reached 289°A at a few stations.

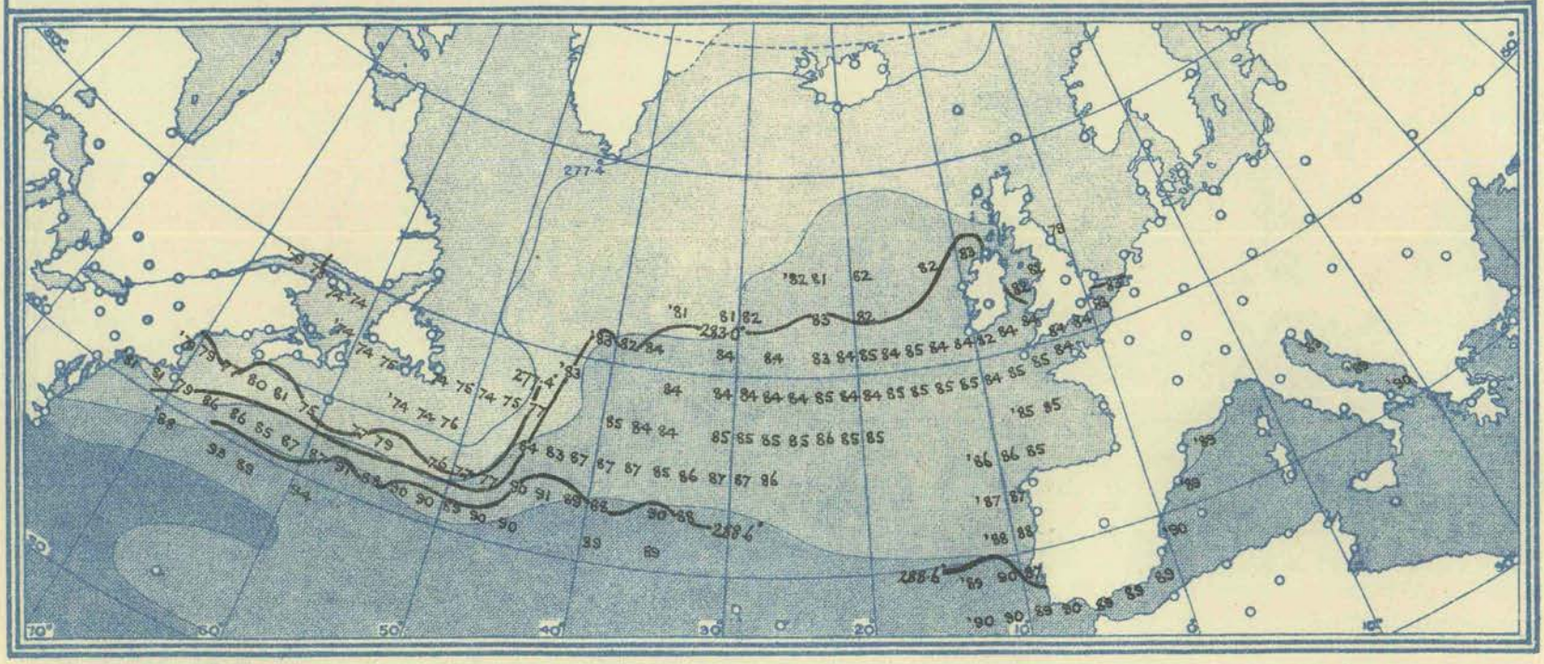



**May 15th.**—Very little change occurred during day in the general situation, but the anticyclone decreased somewhat in intensity. Rain fell in Norway, Austria-Hungary, northern Italy, and central and northern Spain, as much as 24mm. at Turin, but elsewhere the weather continued dry. Temperature failed to reach a maximum higher than 286°A on the coast of East Anglia, but rose to 294°A in the Midlands and west, and nearly as high in the west of Scotland. Over the central countries of the Continent the readings were a little above or below 289°A. Over the Mediterranean region and in the west of France several stations recorded readings above 294°A, the highest being 298°A at Biarritz. In the interior of Algeria, at Laghouat, the thermometer again touched 306°A.




**May 16th.**—The anticyclonic system extended north-eastward to the north of Russia by evening. Rain fell in a few parts of France, Spain, Hungary, and Italy; 27mm. at Buda-Pesth and 36mm. at Barcelona. Temperature rose to 294°A in central Ireland and to above 290°A in many parts of England, but remained relatively low on the east coast. At Cagliari the maximum was 303°A, at Tunis 302°A, and at Athens 298°A, but in the south generally the maxima were very little above 294°A; at Nice the value was 291°A, and at Turin 285°A. Over a large area in central Europe the thermometer touched 293°A, and passed 288°A at Stockholm and in the extreme north of Denmark. Over central England the minima of the night were below 277°A.

## SURFACE TEMPERATURE of the SEA during the week ended Saturday, 16TH MAY, 1914.




**Explanation of Charts.**—The height of the barometer is expressed by isobars, which are drawn for intervals of one centibar, the equivalent on the absolute scale of pressure units of 0·295 mercury inches. 1 centibar = 10 millibars. 100 centibars = 29·53 mercury inches = 750·1 mercury millimetres. The winds are shown by arrows which are drawn flying with the wind. Temperatures are given in degrees Absolute, freezing point = 273°, the initial 2 being omitted.

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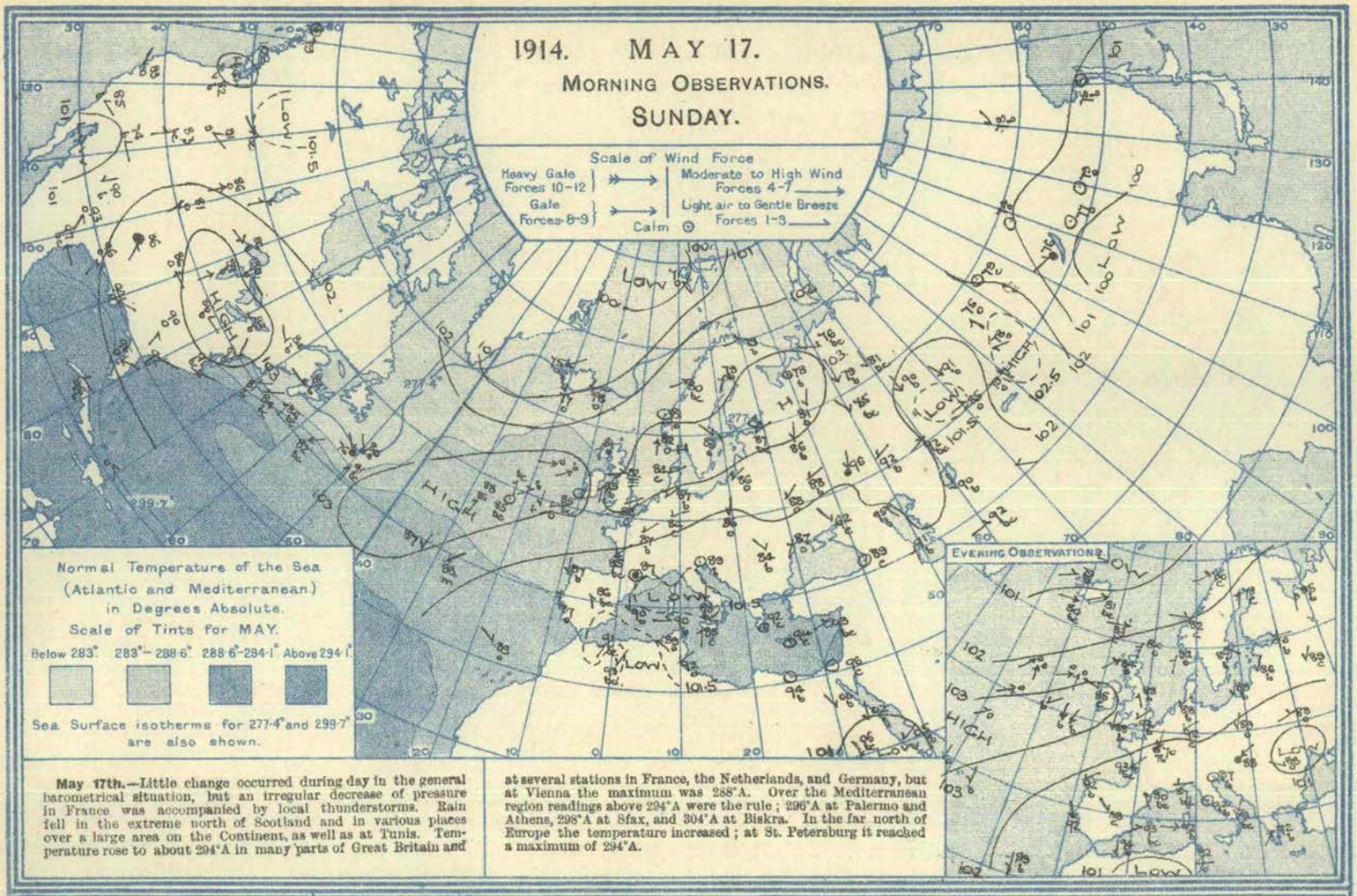
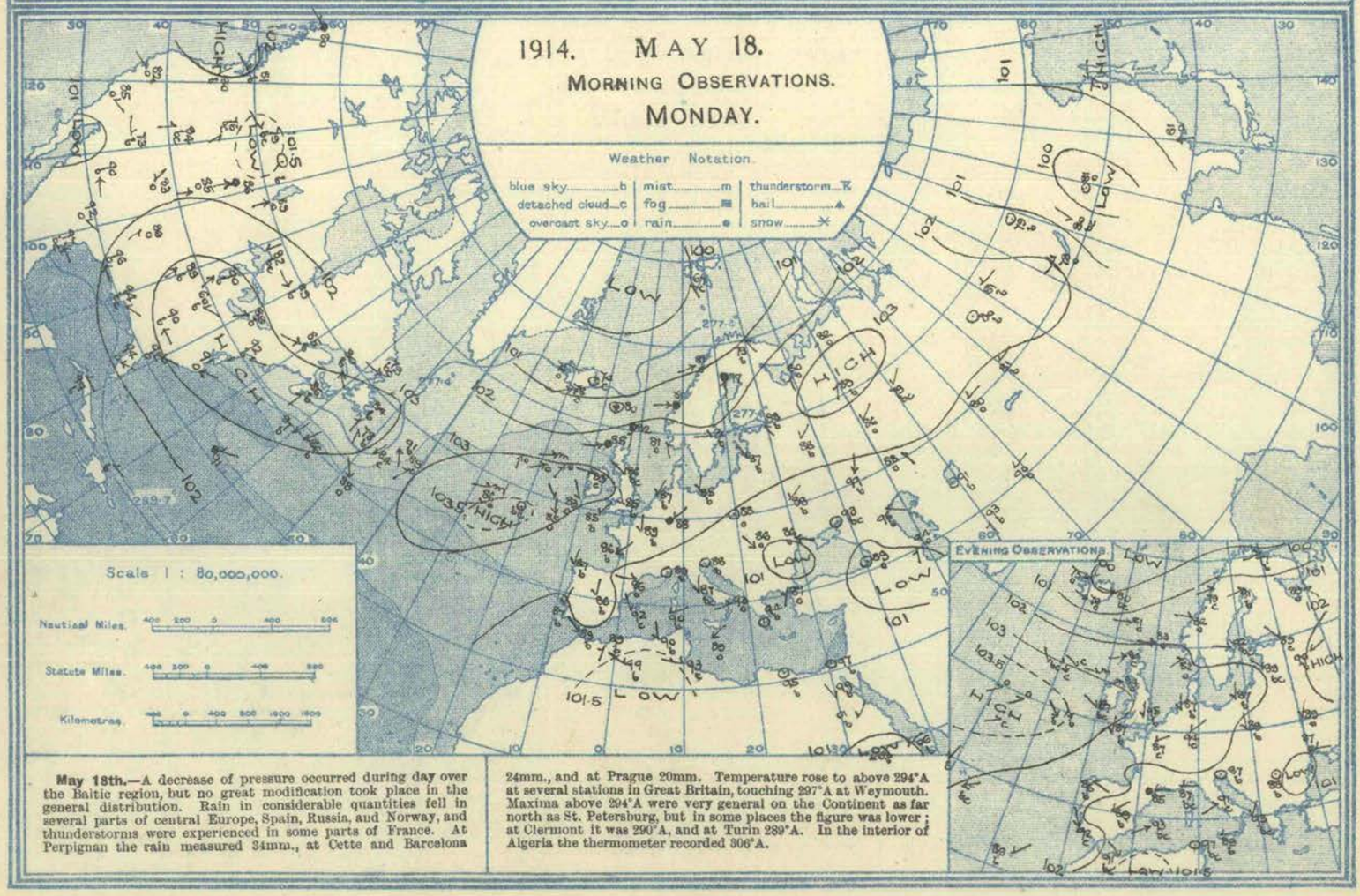
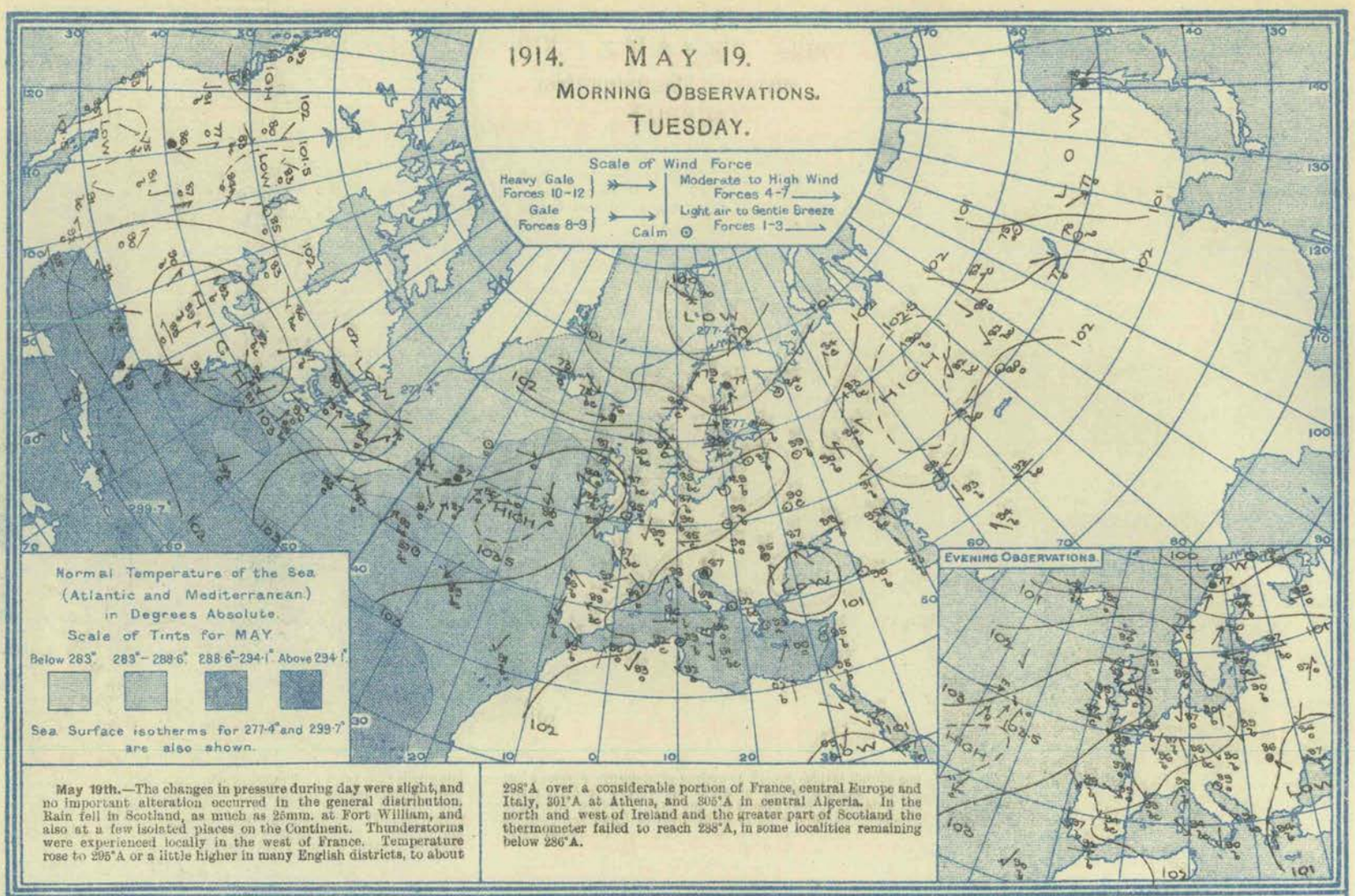


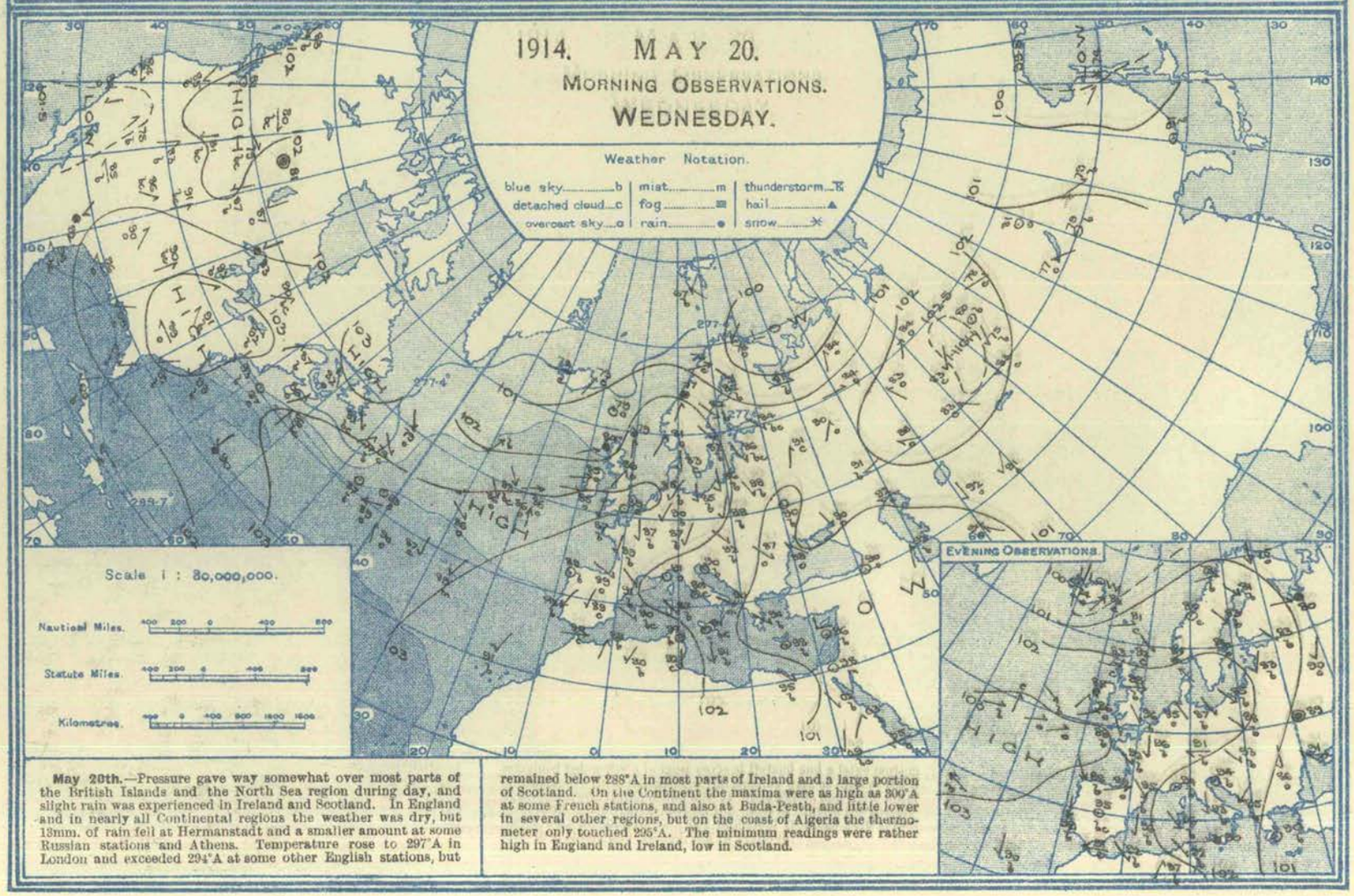

**May 17th.**—Little change occurred during day in the general barometrical situation, but an irregular decrease of pressure in France was accompanied by local thunderstorms. Rain fell in the extreme north of Scotland and in various places over a large area on the Continent, as well as at Tunis. Temperature rose to about 294°A in many parts of Great Britain and at several stations in France, the Netherlands, and Germany, but at Vienna the maximum was 288°A. Over the Mediterranean region readings above 294°A were the rule; 296°A at Palermo and Athens, 298°A at Sfax, and 304°A at Biskra. In the far north of Europe the temperature increased; at St. Petersburg it reached a maximum of 294°A.



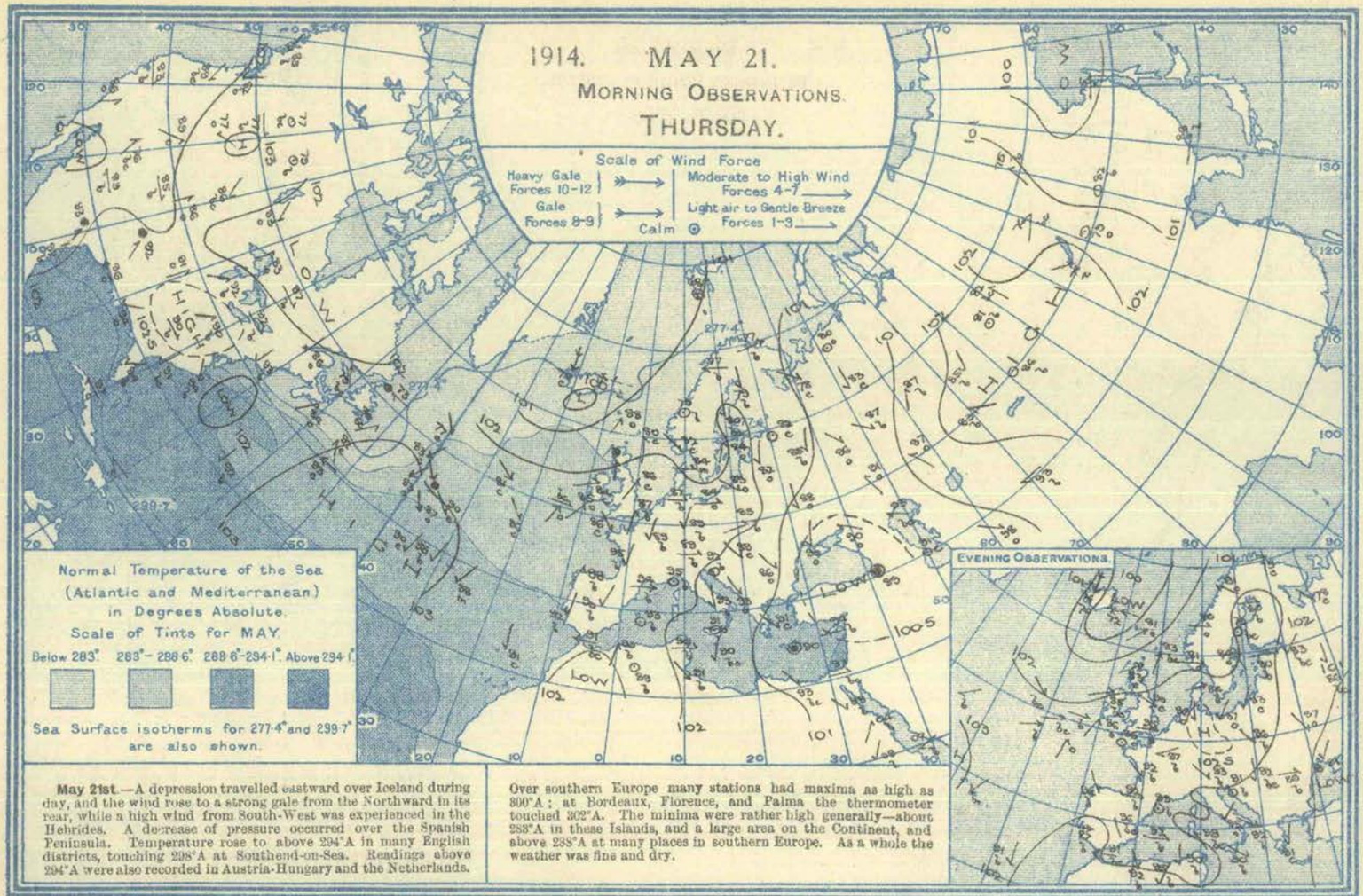

**May 18th.**—A decrease of pressure occurred during day over the Baltic region, but no great modification took place in the general distribution. Rain in considerable quantities fell in several parts of central Europe, Spain, Russia, and Norway, and thunderstorms were experienced in some parts of France. At Perpignan the rain measured 34mm., at Cette and Barcelona 24mm., and at Prague 20mm. Temperature rose to above 294°A at several stations in Great Britain, touching 297°A at Weymouth. Maxima above 294°A were very general on the Continent as far north as St. Petersburg, but in some places the figure was lower; at Clermont it was 290°A, and at Turin 289°A. In the interior of Algeria the thermometer recorded 306°A.



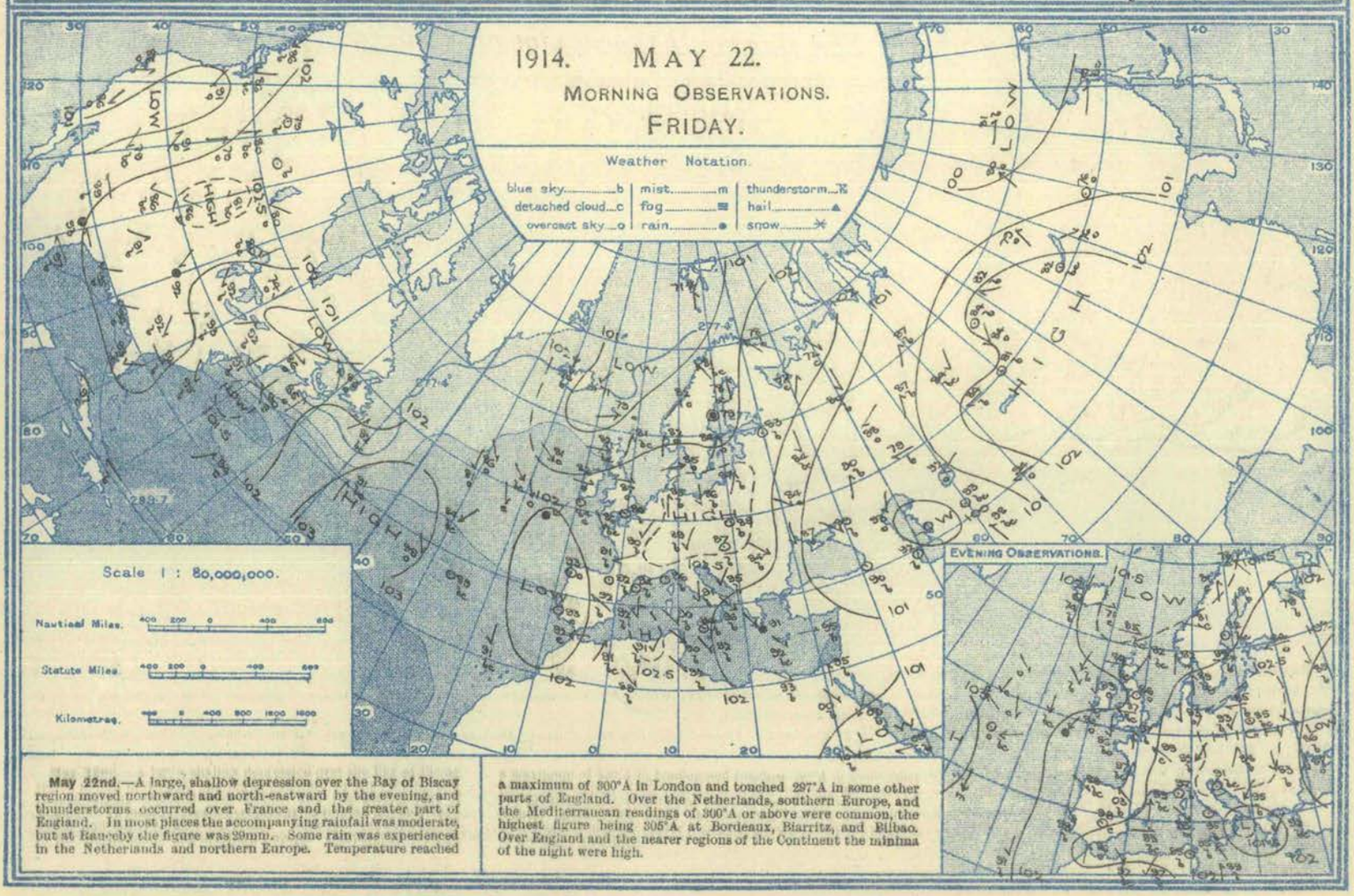

**May 19th.**—The changes in pressure during day were slight, and no important alteration occurred in the general distribution. Rain fell in Scotland, as much as 25mm. at Fort William, and also at a few isolated places on the Continent. Thunderstorms were experienced locally in the west of France. Temperature rose to 295°A or a little higher in many English districts, to about 298°A over a considerable portion of France, central Europe and Italy, 301°A at Athens, and 305°A in central Algeria. In the north and west of Ireland and the greater part of Scotland the thermometer failed to reach 288°A, in some localities remaining below 286°A.



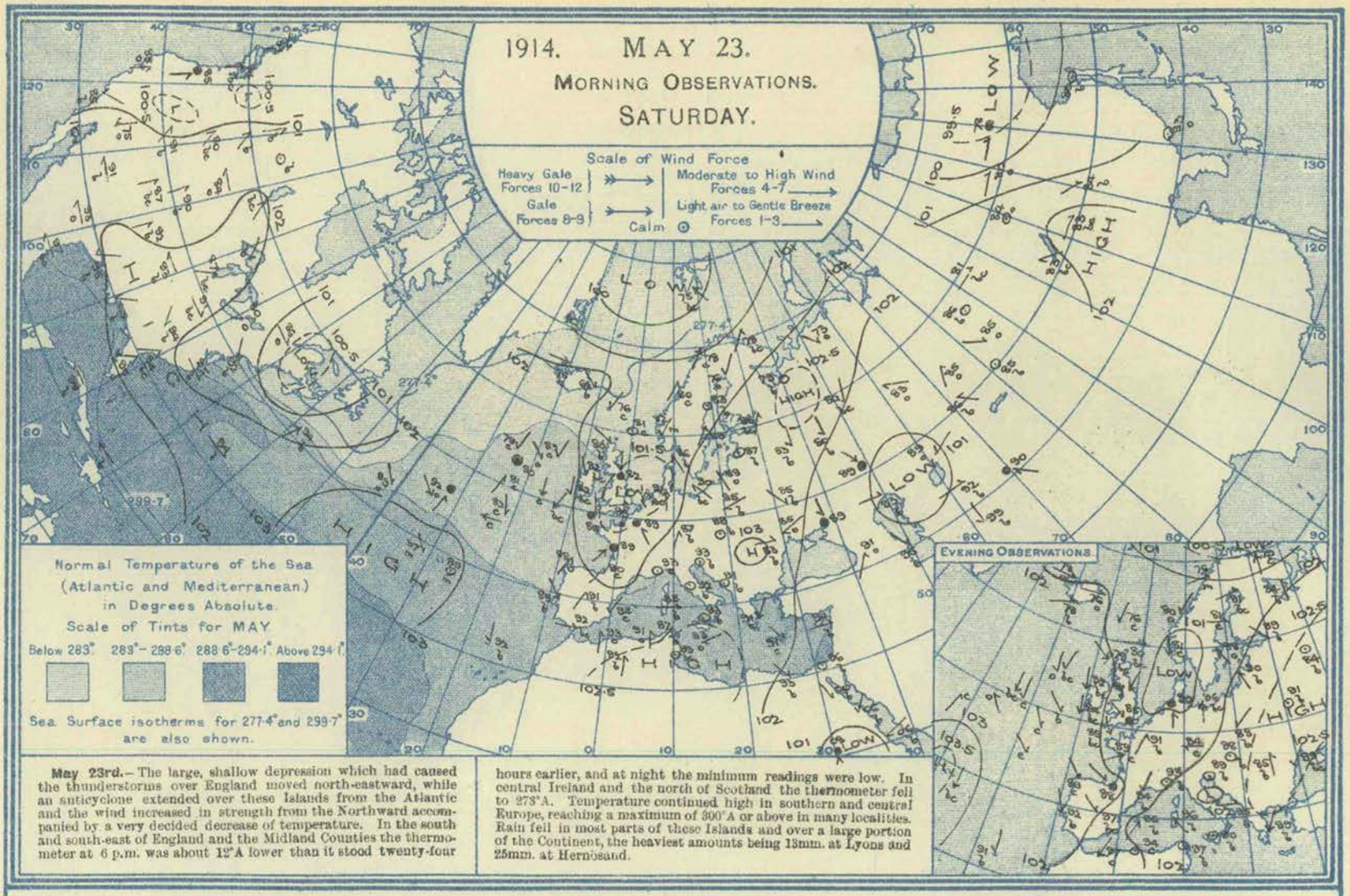

**May 20th.**—Pressure gave way somewhat over most parts of the British Islands and the North Sea region during day, and slight rain was experienced in Ireland and Scotland. In England and in nearly all Continental regions the weather was dry, but 13mm. of rain fell at Hermanstadt and a smaller amount at some Russian stations and Athens. Temperature rose to 297°A in London and exceeded 294°A at some other English stations, but remained below 288°A in most parts of Ireland and a large portion of Scotland. On the Continent the maxima were as high as 300°A at some French stations, and also at Buda-Pesth, and little lower in several other regions, but on the coast of Algeria the thermometer only touched 295°A. The minimum readings were rather high in England and Ireland, low in Scotland.




**May 21st.**—A depression travelled eastward over Iceland during day, and the wind rose to a strong gale from the Northward in its rear, while a high wind from South-West was experienced in the Hebrides. A decrease of pressure occurred over the Spanish Peninsula. Temperature rose to above 294°A in many English districts, touching 298°A at Southend-on-Sea. Readings above 294°A were also recorded in Austria-Hungary and the Netherlands. Over southern Europe many stations had maxima as high as 300°A; at Bordeaux, Florence, and Palma the thermometer touched 302°A. The minima were rather high generally—about 288°A in these Islands, and a large area on the Continent, and above 288°A at many places in southern Europe. As a whole the weather was fine and dry.

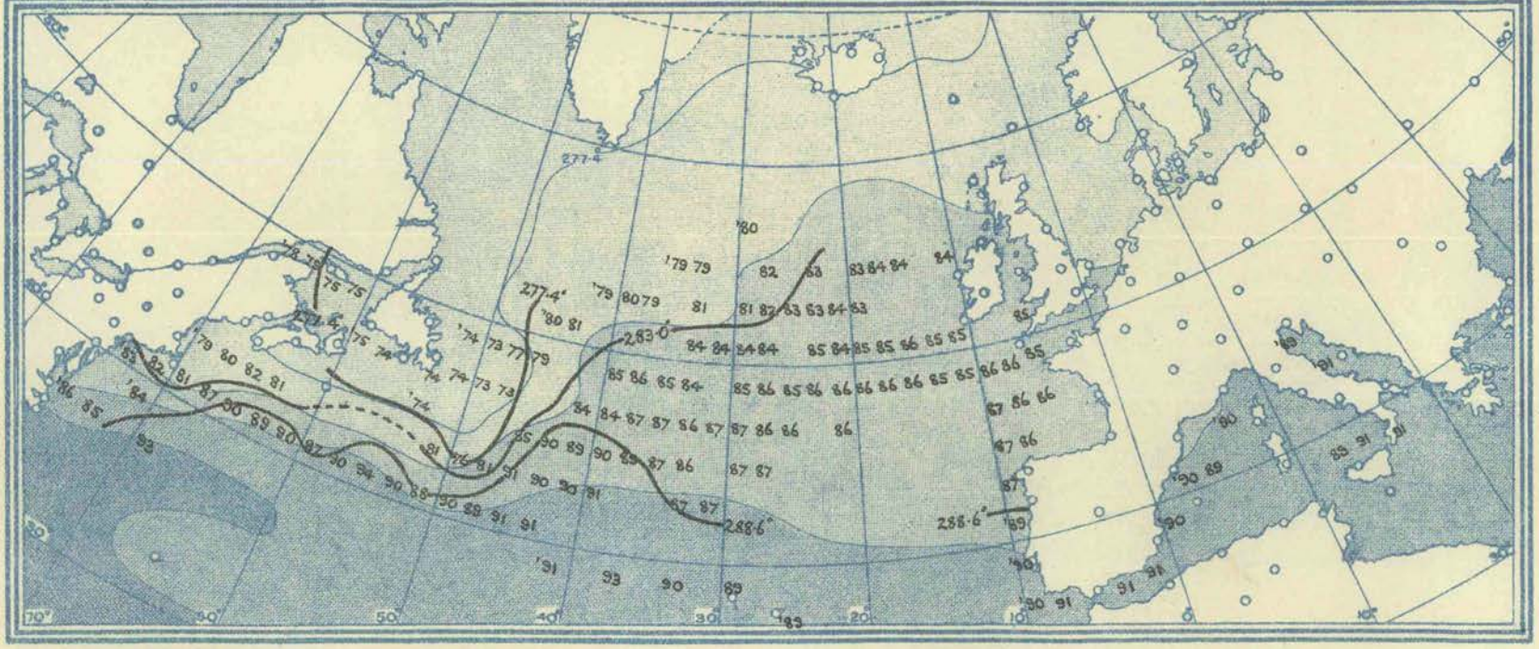



**May 22nd.**—A large, shallow depression over the Bay of Biscay region moved northward and north-eastward by the evening, and thunderstorms occurred over France and the greater part of England. In most places the accompanying rainfall was moderate, but at Rauceby the figure was 29mm. Some rain was experienced in the Netherlands and northern Europe. Temperature reached a maximum of 300°A in London and touched 297°A in some other parts of England. Over the Netherlands, southern Europe, and the Mediterranean readings of 300°A or above were common, the highest figure being 305°A at Bordeaux, Biarritz, and Bilbao. Over England and the nearer regions of the Continent the minima of the night were high.




**May 23rd.**—The large, shallow depression which had caused the thunderstorms over England moved north-eastward, while an anticyclone extended over these Islands from the Atlantic and the wind increased in strength from the Northward accompanied by a very decided decrease of temperature. In the south and south-east of England and the Midland Counties the thermometer at 6 p.m. was about 12°A lower than it stood twenty-four hours earlier, and at night the minimum readings were low. In central Ireland and the north of Scotland the thermometer fell to 273°A. Temperature continued high in southern and central Europe, reaching a maximum of 300°A or above in many localities. Rain fell in most parts of these Islands and over a large portion of the Continent, the heaviest amounts being 13mm. at Lyons and 25mm. at Hernösand.

## SURFACE TEMPERATURE of the SEA during the week ended Saturday, 23rd MAY, 1914.

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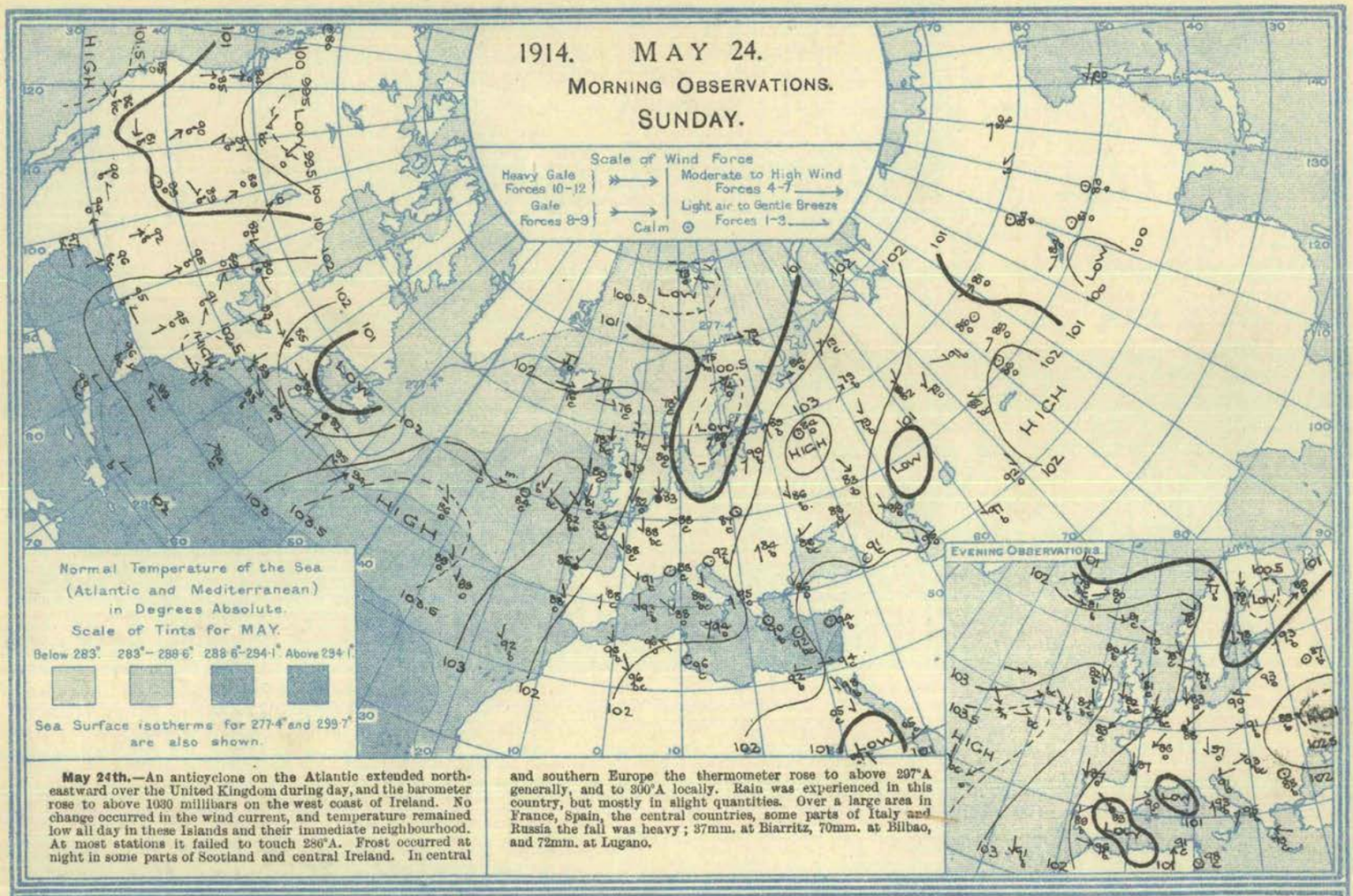
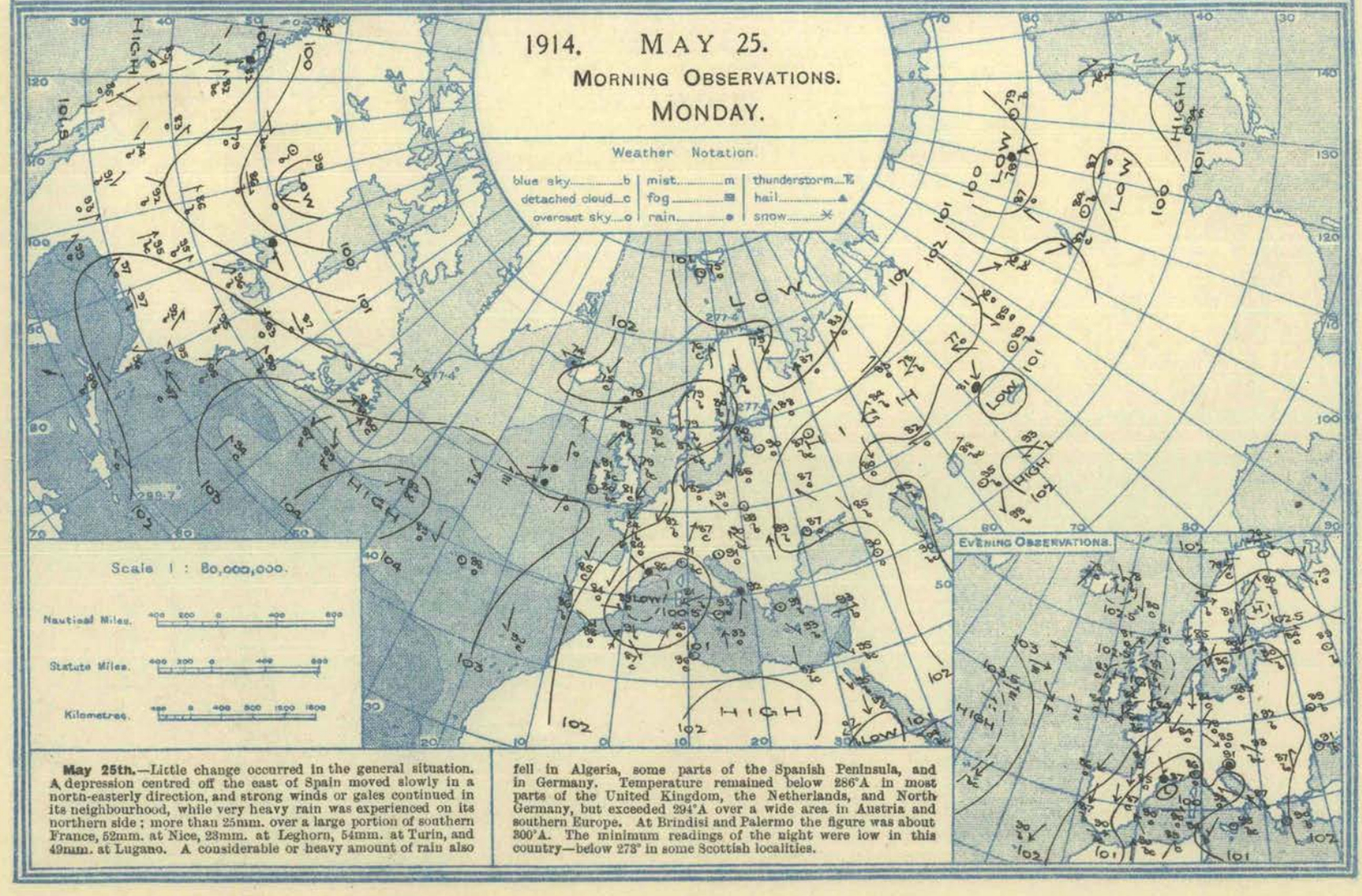
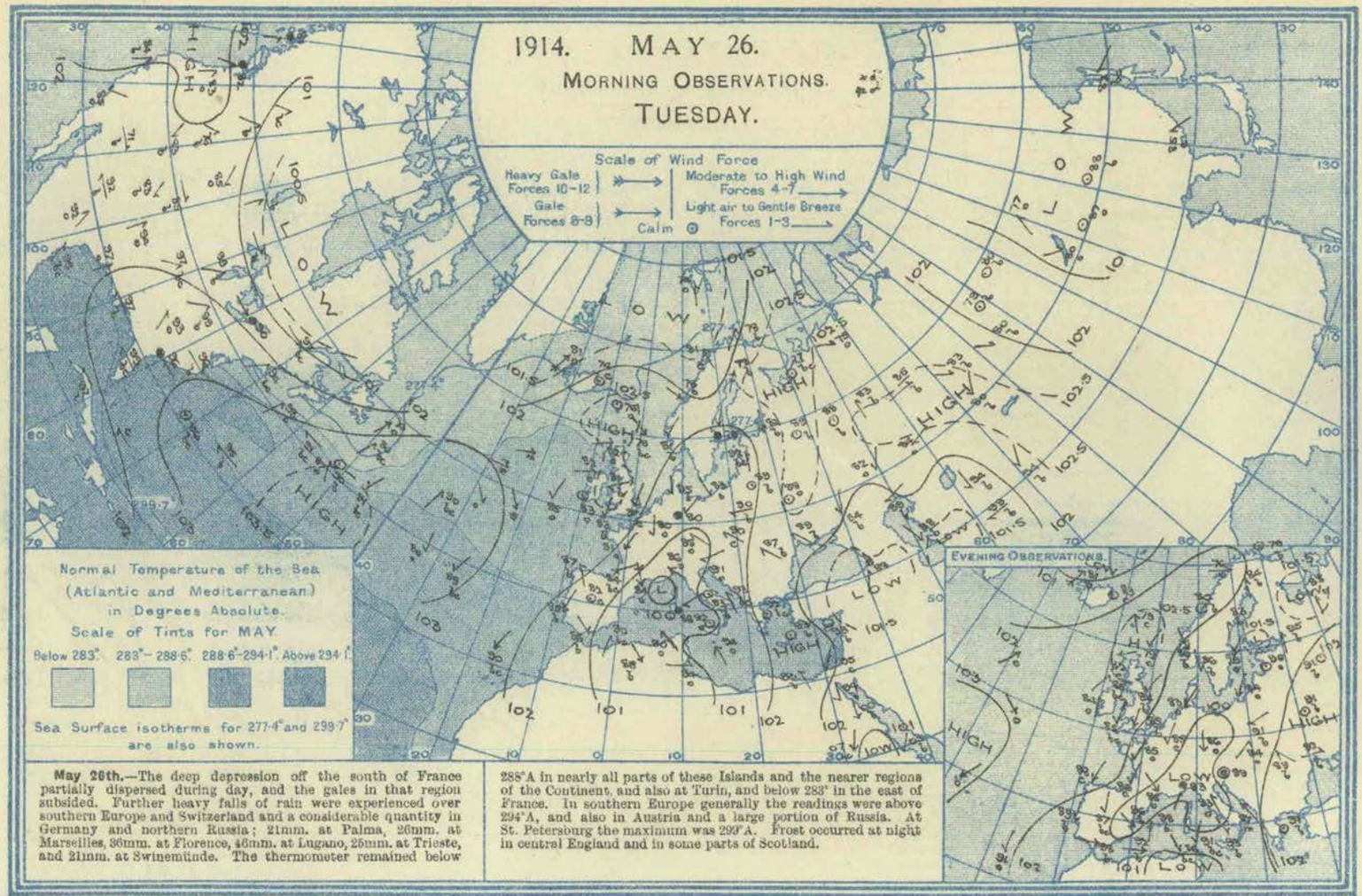


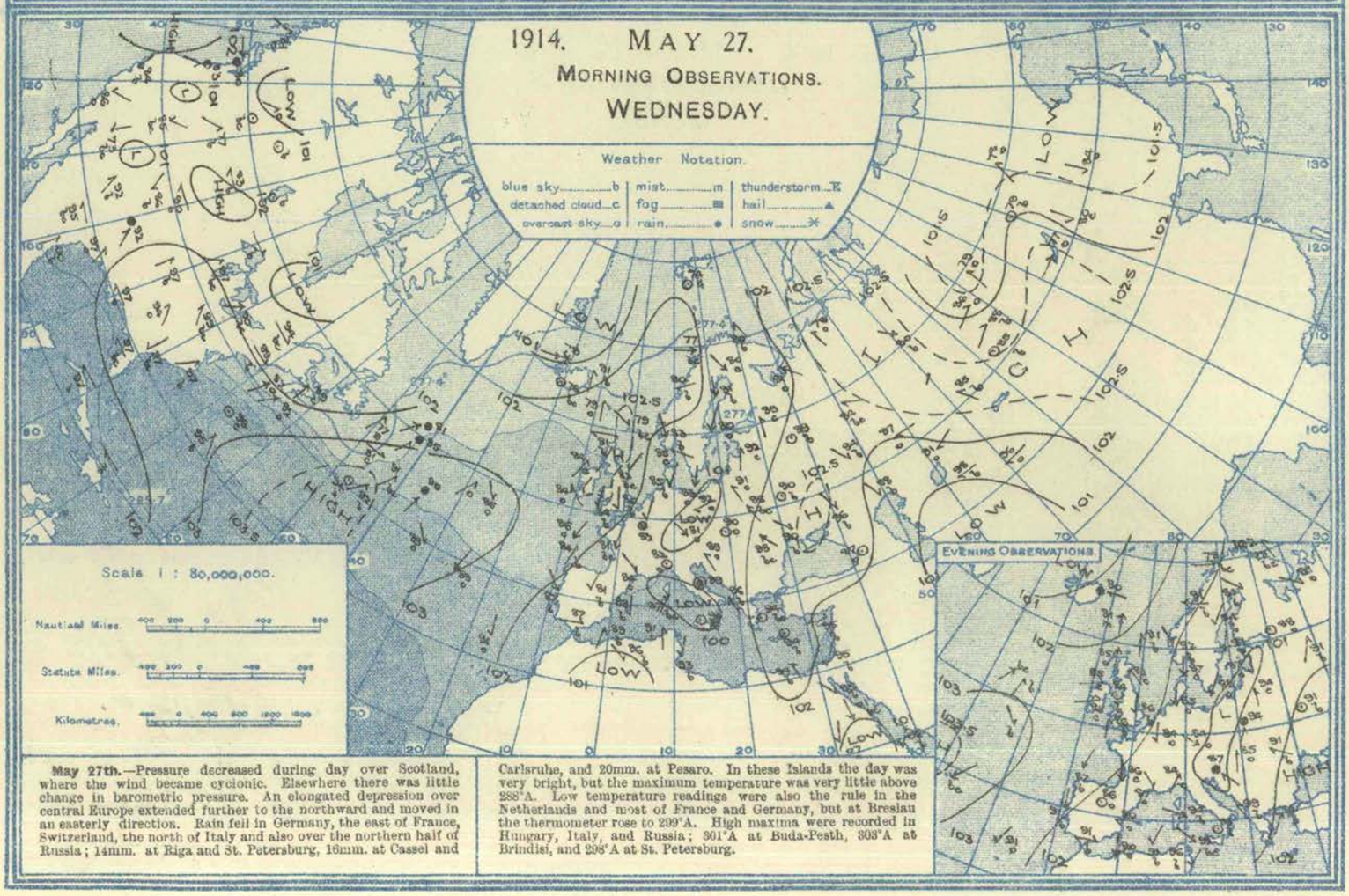

**May 24th.**—An anticyclone on the Atlantic extended north-eastward over the United Kingdom during day, and the barometer rose to above 1030 millibars on the west coast of Ireland. No change occurred in the wind current, and temperature remained low all day in these Islands and their immediate neighbourhood. At most stations it failed to touch 286°A. Frost occurred at night in some parts of Scotland and central Ireland. In central and southern Europe the thermometer rose to above 297°A generally, and to 300°A locally. Rain was experienced in this country, but mostly in slight quantities. Over a large area in France, Spain, the central countries, some parts of Italy and Russia the fall was heavy; 37mm. at Biarritz, 70mm. at Bilbao, and 72mm. at Lugano.



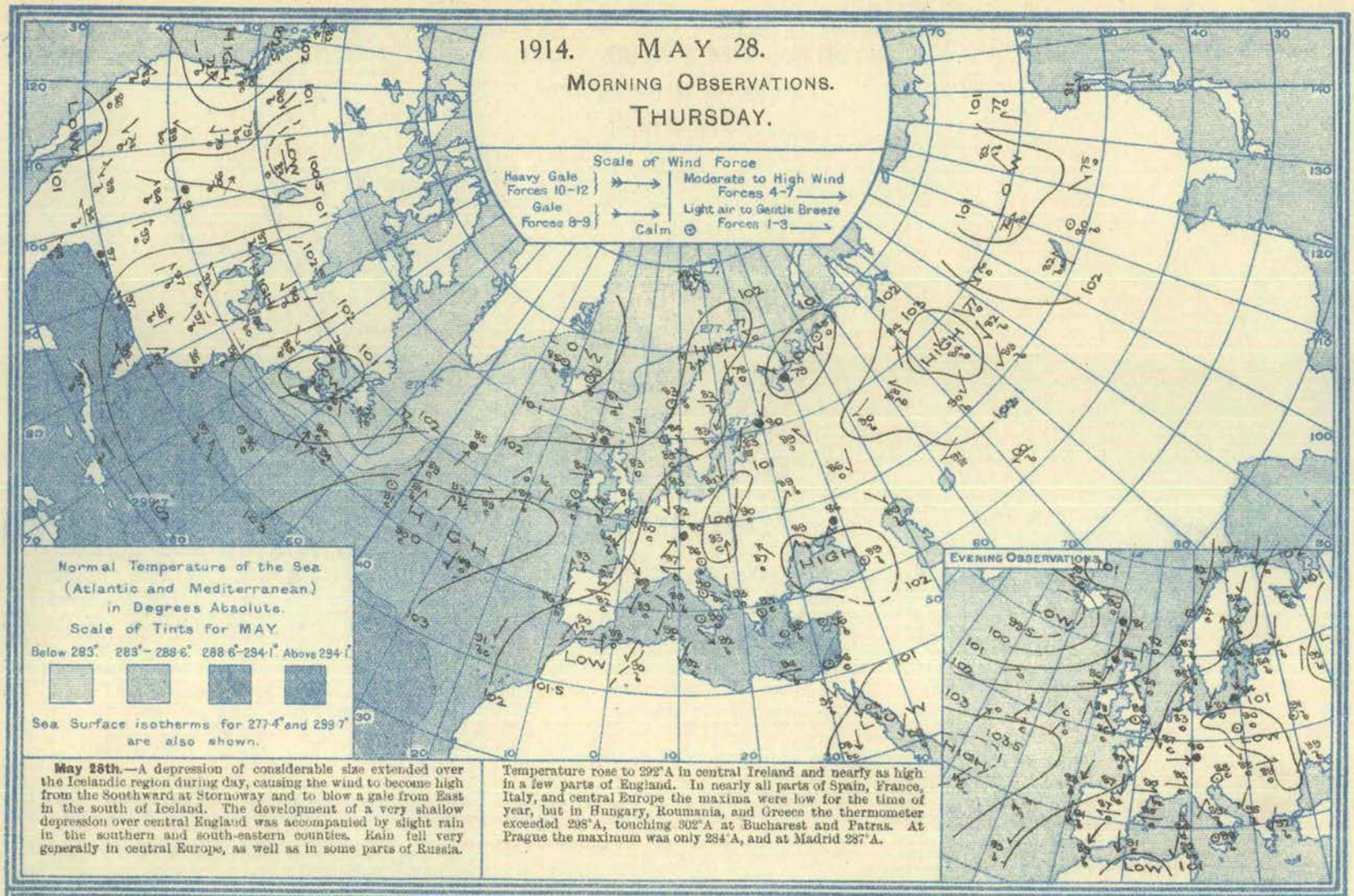

**May 25th.**—Little change occurred in the general situation. A depression centred off the east of Spain moved slowly in a north-easterly direction, and strong winds or gales continued in its neighbourhood, while very heavy rain was experienced on its northern side; more than 25mm. over a large portion of southern France, 52mm. at Nice, 23mm. at Leghorn, 54mm. at Turin, and 49mm. at Lugano. A considerable or heavy amount of rain also fell in Algeria, some parts of the Spanish Peninsula, and in Germany. Temperature remained below 286°A in most parts of the United Kingdom, the Netherlands, and North Germany, but exceeded 294°A over a wide area in Austria and southern Europe. At Brindisi and Palermo the figure was about 300°A. The minimum readings of the night were low in this country—below 278° in some Scottish localities.




**May 26th.**—The deep depression off the south of France partially dispersed during day, and the gales in that region subsided. Further heavy falls of rain were experienced over southern Europe and Switzerland and a considerable quantity in Germany and northern Russia; 21mm. at Palma, 26mm. at Marseilles, 36mm. at Florence, 46mm. at Lugano, 25mm. at Trieste, and 21mm. at Swinemünde. The thermometer remained below 288°A in nearly all parts of these Islands and the nearer regions of the Continent, and also at Turin, and below 283° in the east of France. In southern Europe generally the readings were above 294°A, and also in Austria and a large portion of Russia. At St. Petersburg the maximum was 299°A. Frost occurred at night in central England and in some parts of Scotland.

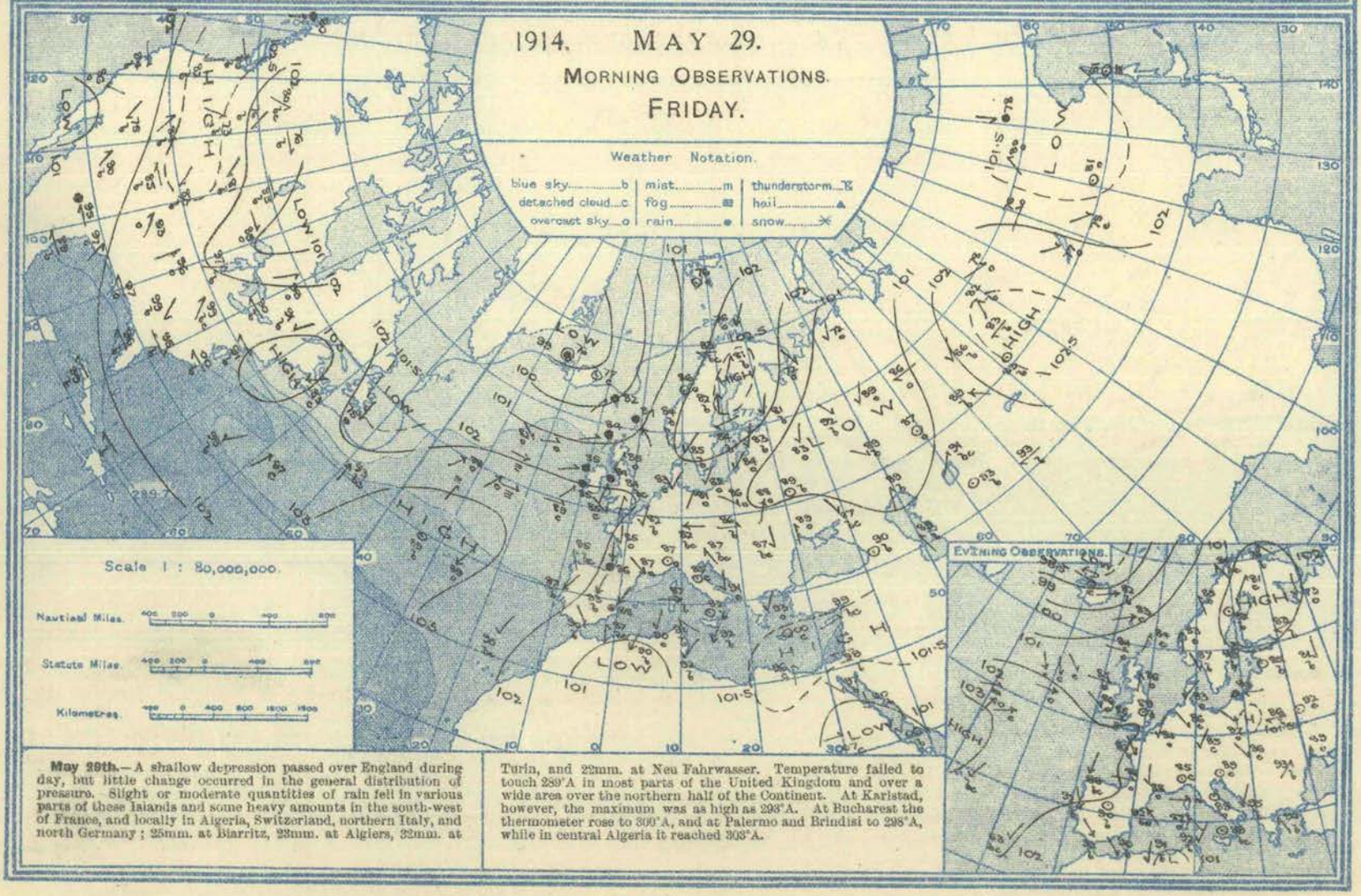



**May 27th.**—Pressure decreased during day over Scotland, where the wind became cyclonic. Elsewhere there was little change in barometric pressure. An elongated depression over central Europe extended further to the northward and moved in an easterly direction. Rain fell in Germany, the east of France, Switzerland, the north of Italy and also over the northern half of Russia; 14mm. at Riga and St. Petersburg, 16mm. at Cassel and Carlsruhe, and 20mm. at Pesaro. In these Islands the day was very bright, but the maximum temperature was very little above 288°A. Low temperature readings were also the rule in the Netherlands and most of France and Germany, but at Breslau the thermometer rose to 299°A. High maxima were recorded in Hungary, Italy, and Russia; 301°A at Buda-Pesth, 303°A at Brindisi, and 298°A at St. Petersburg.

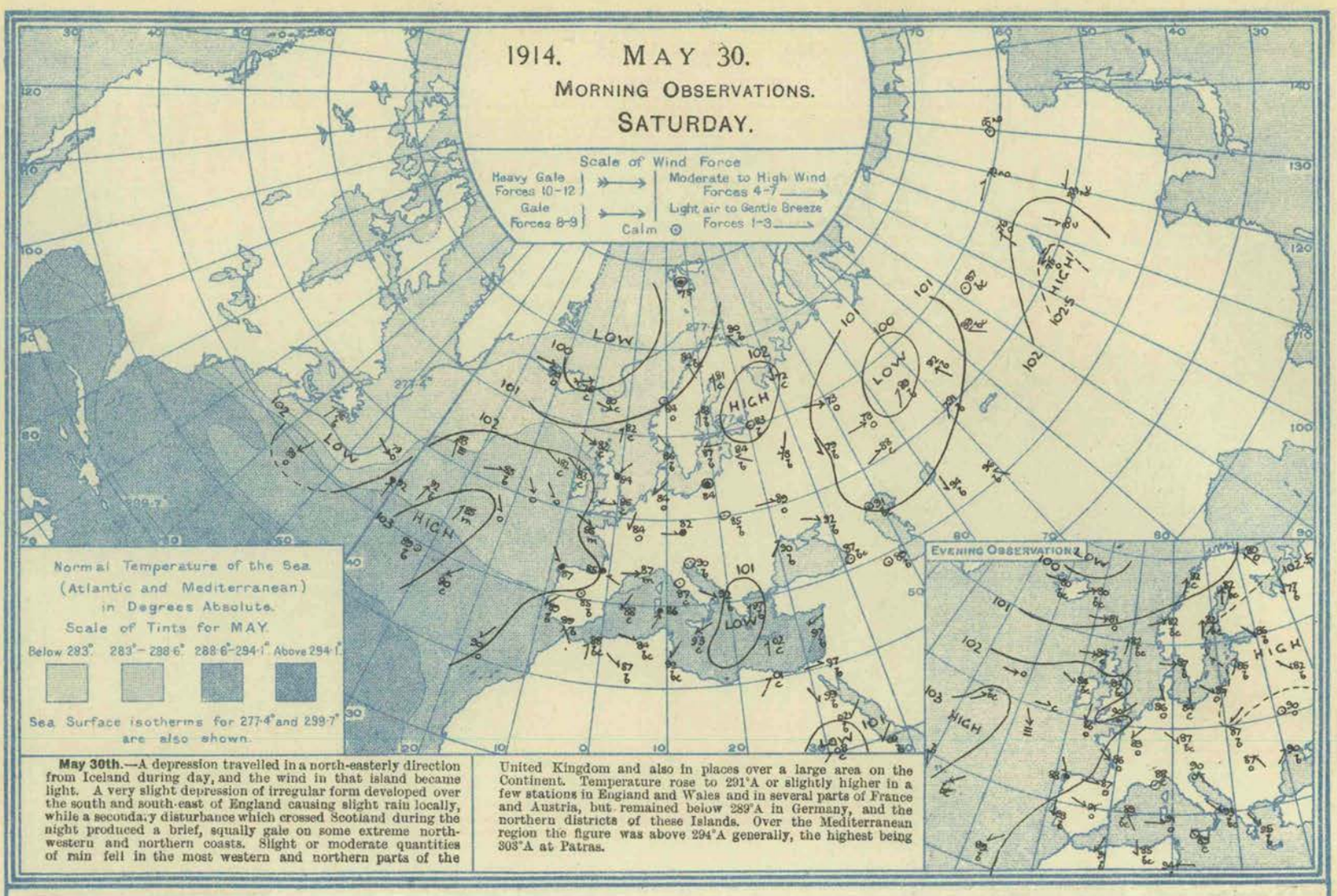



**May 28th.**—A depression of considerable size extended over the Icelandic region during day, causing the wind to become high from the Southward at Stornoway and to blow a gale from East in the south of Iceland. The development of a very shallow depression over central England was accompanied by slight rain in the southern and south-eastern counties. Rain fell very generally in central Europe, as well as in some parts of Russia.

Temperature rose to 292°A in central Ireland and nearly as high in a few parts of England. In nearly all parts of Spain, France, Italy, and central Europe the maxima were low for the time of year, but in Hungary, Roumania, and Greece the thermometer exceeded 298°A, touching 302°A at Bucharest and Patras. At Prague the maximum was only 284°A, and at Madrid 287°A.

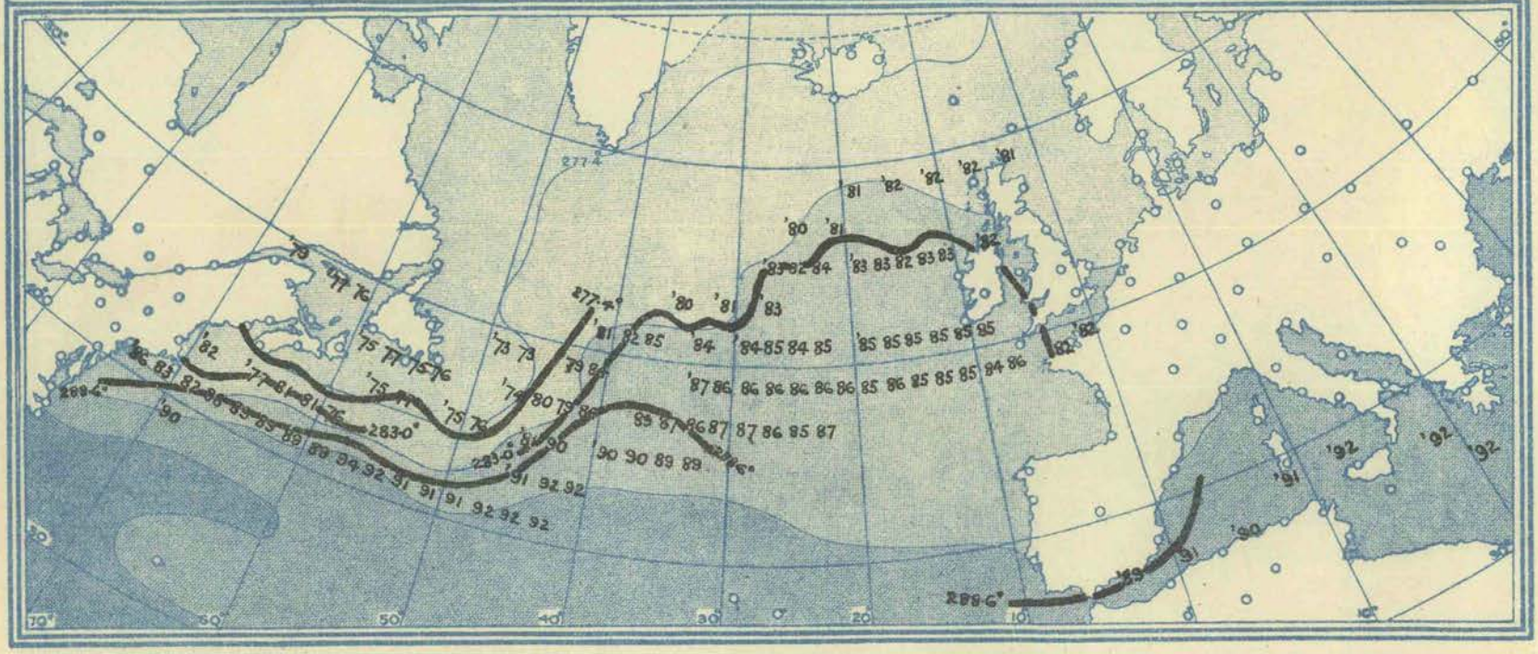



**May 29th.**—A shallow depression passed over England during day, but little change occurred in the general distribution of pressure. Slight or moderate quantities of rain fell in various parts of these Islands and some heavy amounts in the south-west of France, and locally in Algeria, Switzerland, northern Italy, and north Germany; 25mm. at Biarritz, 23mm. at Algiers, 32mm. at Turin, and 22mm. at Neu Fahrwasser. Temperature failed to touch 289°A in most parts of the United Kingdom and over a wide area over the northern half of the Continent. At Karlstad, however, the maximum was as high as 293°A. At Bucharest the thermometer rose to 309°A, and at Palermo and Brindisi to 298°A, while in central Algeria it reached 303°A.




**May 30th.**—A depression travelled in a north-easterly direction from Iceland during day, and the wind in that island became light. A very slight depression of irregular form developed over the south and south-east of England causing slight rain locally, while a secondary disturbance which crossed Scotland during the night produced a brief, squally gale on some extreme north-western and northern coasts. Slight or moderate quantities of rain fell in the most western and northern parts of the United Kingdom and also in places over a large area on the Continent. Temperature rose to 291°A or slightly higher in a few stations in England and Wales and in several parts of France and Austria, but remained below 289°A in Germany, and the northern districts of these Islands. Over the Mediterranean region the figure was above 294°A generally, the highest being 303°A at Patras.

## SURFACE TEMPERATURE of the SEA during the week ended Saturday, 30TH MAY, 1914.

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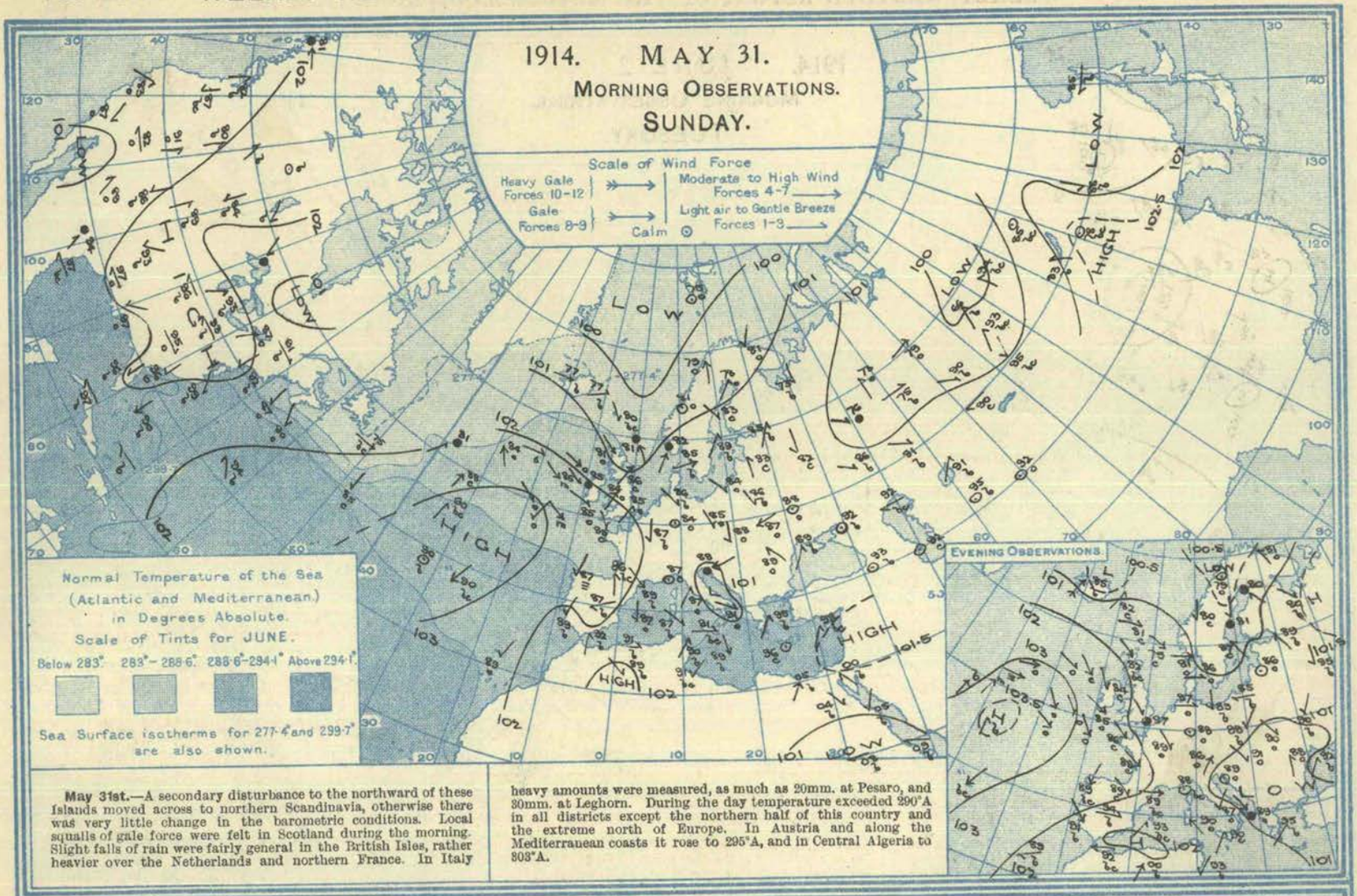
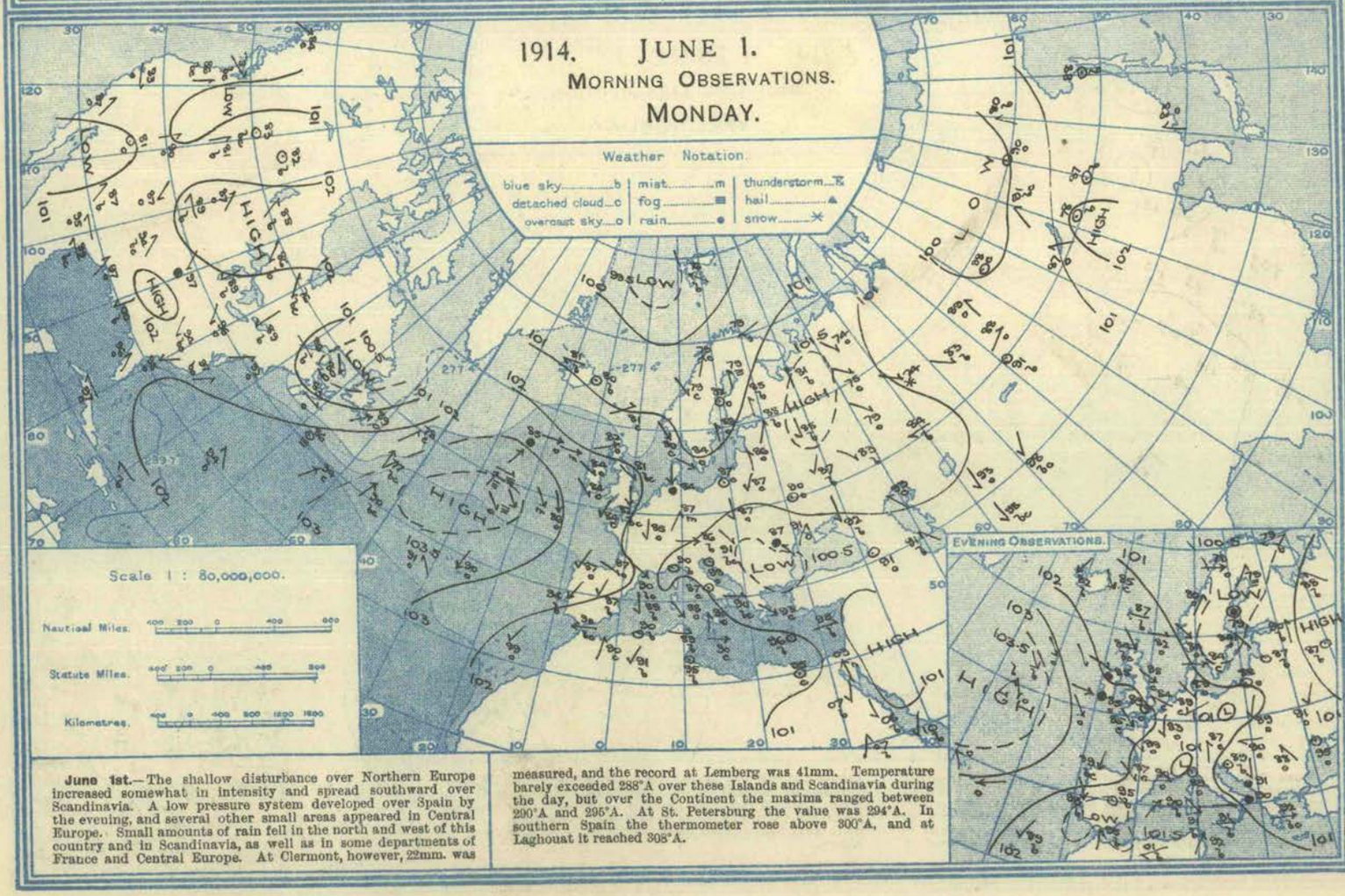
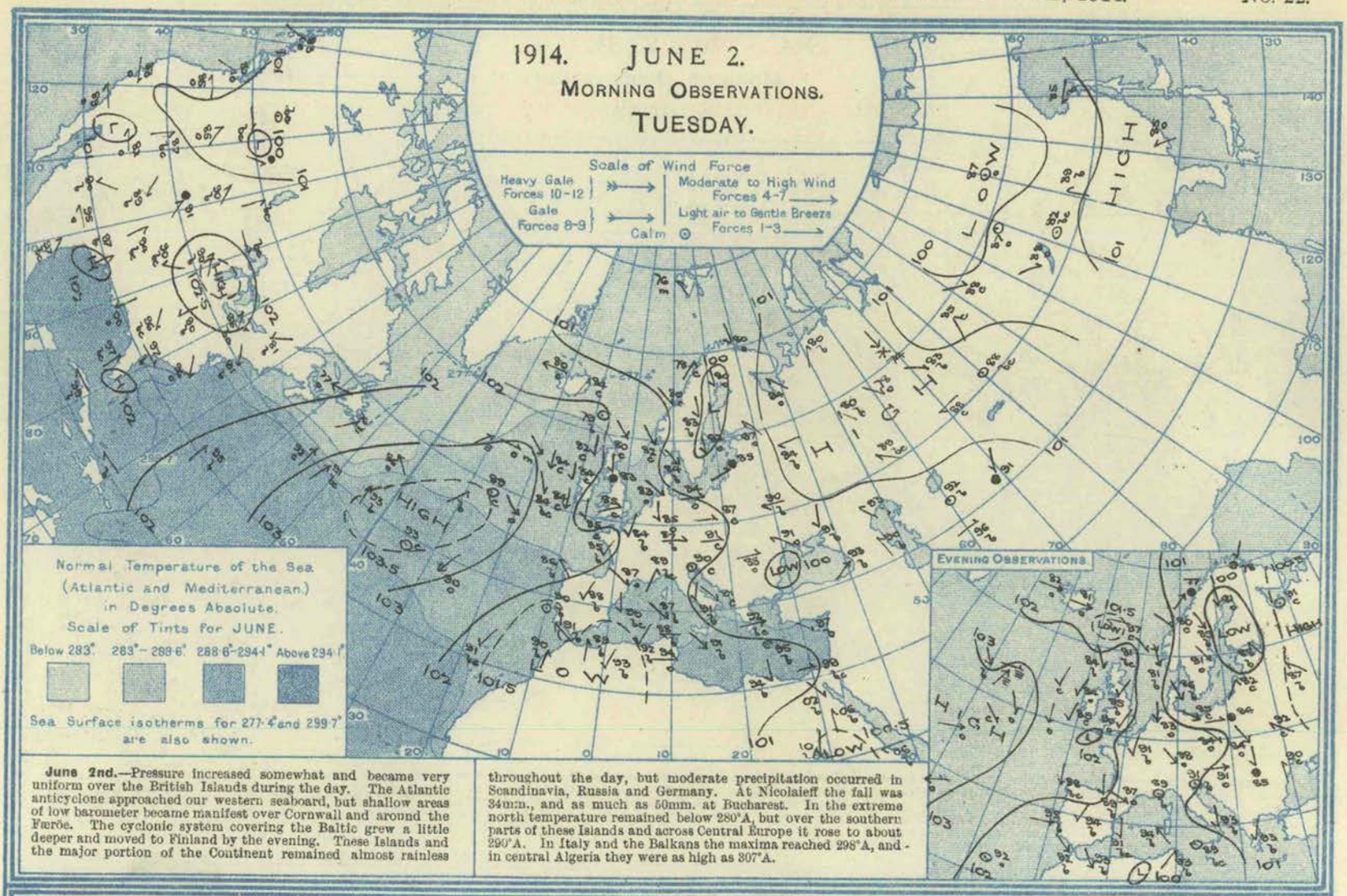


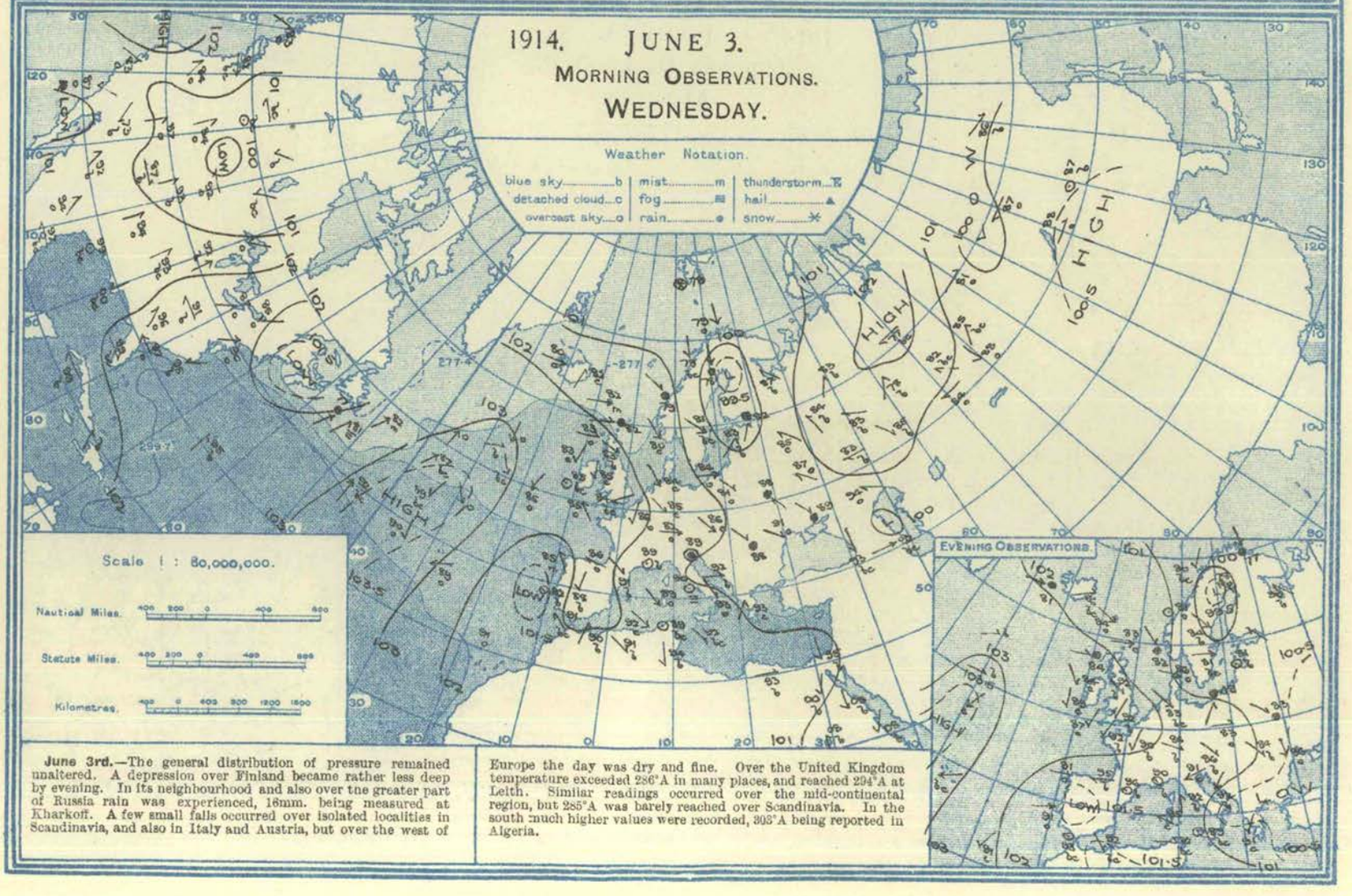

**May 31st.**—A secondary disturbance to the northward of these Islands moved across to northern Scandinavia, otherwise there was very little change in the barometric conditions. Local squalls of gale force were felt in Scotland during the morning. Slight falls of rain were fairly general in the British Isles, rather heavier over the Netherlands and northern France. In Italy heavy amounts were measured, as much as 20mm. at Pesaro, and 30mm. at Leghorn. During the day temperature exceeded 290°A in all districts except the northern half of this country and the extreme north of Europe. In Austria and along the Mediterranean coasts it rose to 295°A, and in Central Algeria to 303°A.



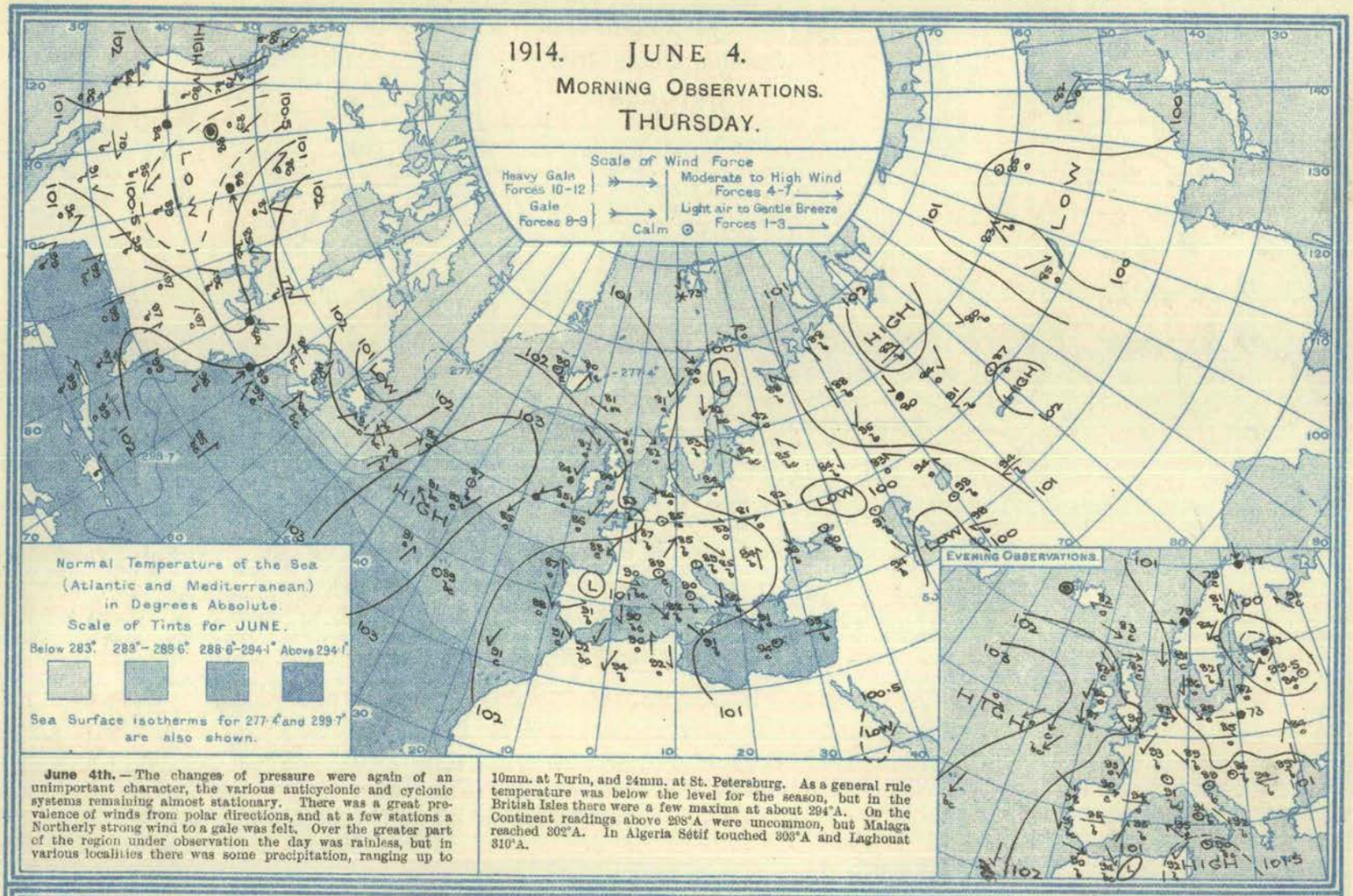

**June 1st.**—The shallow disturbance over Northern Europe increased somewhat in intensity and spread southward over Scandinavia. A low pressure system developed over Spain by the evening, and several other small areas appeared in Central Europe. Small amounts of rain fell in the north and west of this country and in Scandinavia, as well as in some departments of France and Central Europe. At Clermont, however, 22mm. was measured, and the record at Lemberg was 41mm. Temperature barely exceeded 288°A over these Islands and Scandinavia during the day, but over the Continent the maxima ranged between 290°A and 295°A. At St. Petersburg the value was 294°A. In southern Spain the thermometer rose above 300°A, and at Laghouat it reached 305°A.



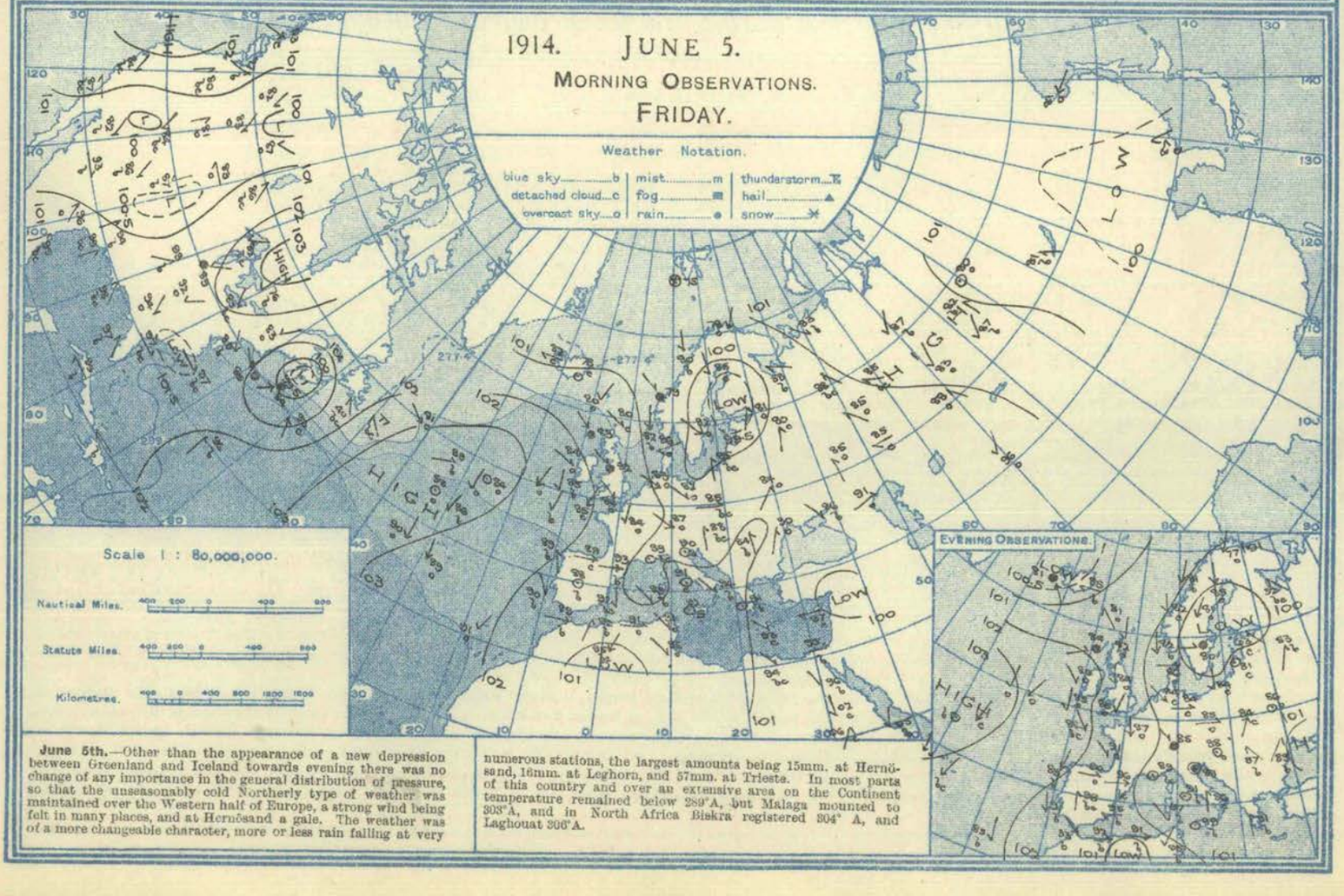

**June 2nd.**—Pressure increased somewhat and became very uniform over the British Islands during the day. The Atlantic anticyclone approached our western seaboard, but shallow areas of low barometer became manifest over Cornwall and around the Færöe. The cyclonic system covering the Baltic grew a little deeper and moved to Finland by the evening. These Islands and the major portion of the Continent remained almost rainless throughout the day, but moderate precipitation occurred in Scandinavia, Russia and Germany. At Nicolaieff the fall was 34mm., and as much as 50mm. at Bucharest. In the extreme north temperature remained below 280°A, but over the southern parts of these Islands and across Central Europe it rose to about 290°A. In Italy and the Balkans the maxima reached 298°A, and in central Algeria they were as high as 307°A.



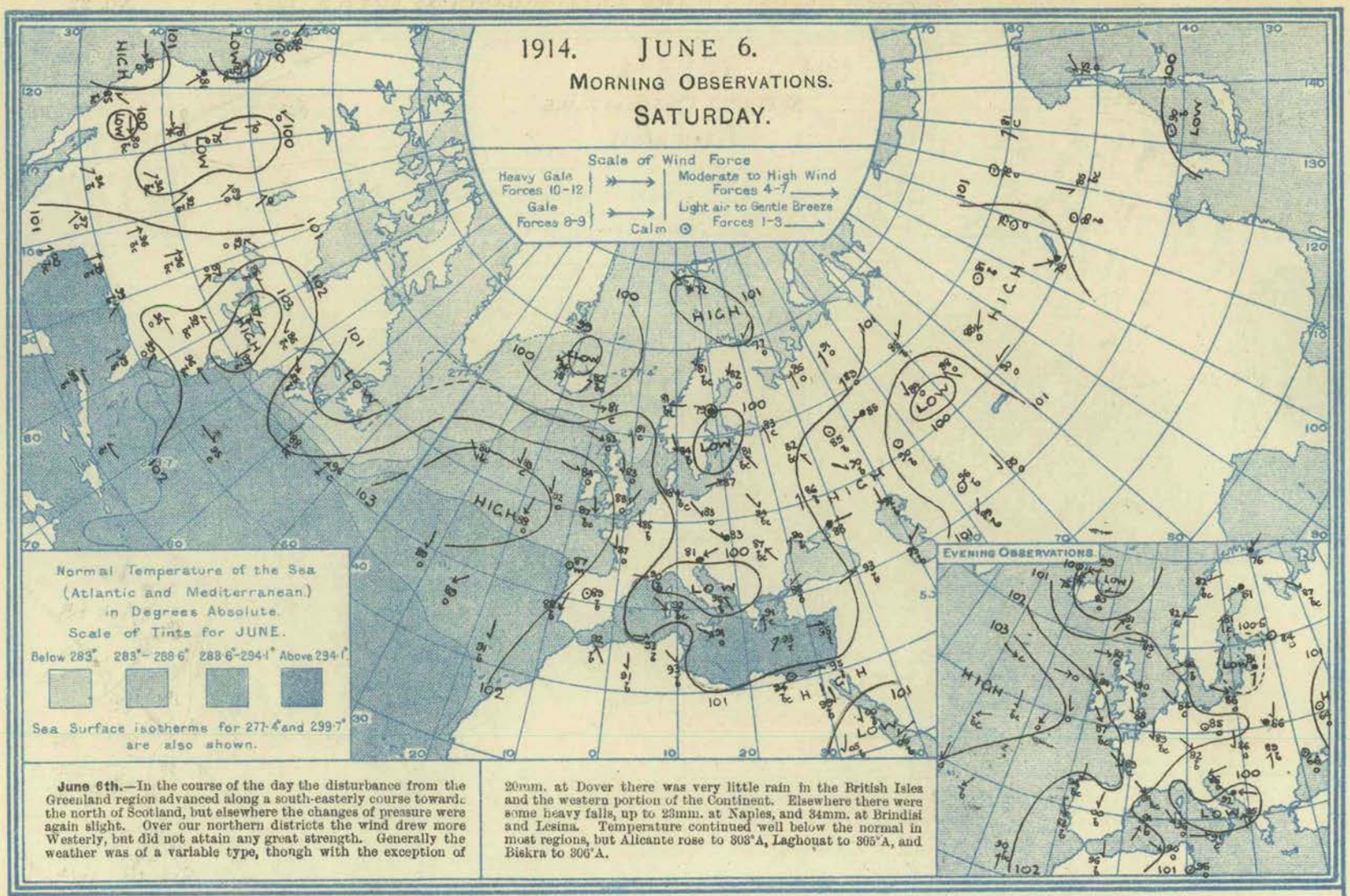

**June 3rd.**—The general distribution of pressure remained unaltered. A depression over Finland became rather less deep by evening. In its neighbourhood and also over the greater part of Russia rain was experienced, 16mm. being measured at Kharkoff. A few small falls occurred over isolated localities in Scandinavia, and also in Italy and Austria, but over the west of Europe the day was dry and fine. Over the United Kingdom temperature exceeded 286°A in many places, and reached 294°A at Leith. Similar readings occurred over the mid-continental region, but 285°A was barely reached over Scandinavia. In the south much higher values were recorded, 303°A being reported in Algeria.




**June 4th.**—The changes of pressure were again of an unimportant character, the various anticyclonic and cyclonic systems remaining almost stationary. There was a great prevalence of winds from polar directions, and at a few stations a Northerly strong wind to a gale was felt. Over the greater part of the region under observation the day was rainless, but in various localities there was some precipitation, ranging up to 10mm. at Turin, and 24mm. at St. Petersburg. As a general rule temperature was below the level for the season, but in the British Isles there were a few maxima at about 294°A. On the Continent readings above 298°A were uncommon, but Malaga reached 302°A. In Algeria Sétif touched 303°A and Laghouat 310°A.

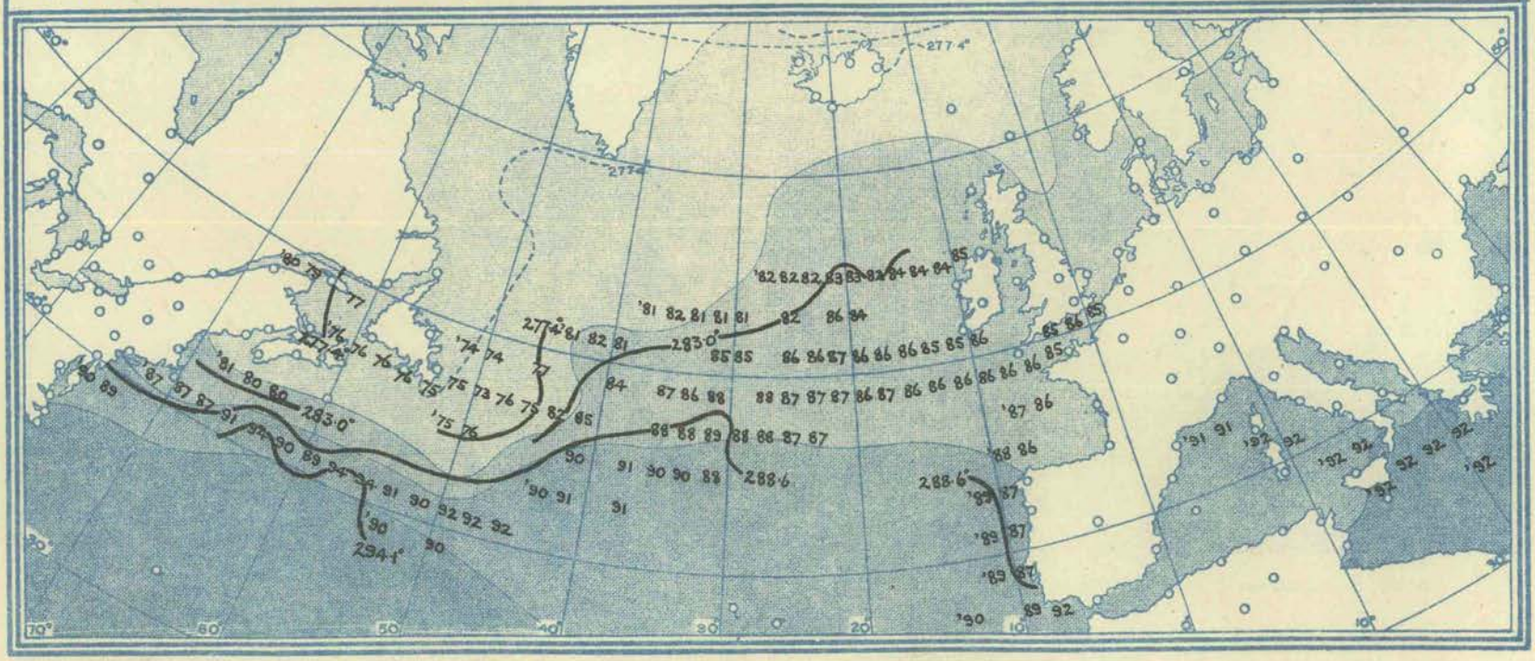



**June 5th.**—Other than the appearance of a new depression between Greenland and Iceland towards evening there was no change of any importance in the general distribution of pressure, so that the unseasonably cold Northerly type of weather was maintained over the Western half of Europe, a strong wind being felt in many places, and at Hernösand a gale. The weather was of a more changeable character, more or less rain falling at very numerous stations, the largest amounts being 15mm. at Hernösand, 16mm. at Leghorn, and 57mm. at Trieste. In most parts of this country and over an extensive area on the Continent temperature remained below 289°A, but Malaga mounted to 303°A, and in North Africa Biskra registered 304° A, and Laghouat 306°A.




**June 6th.**—In the course of the day the disturbance from the Greenland region advanced along a south-easterly course towards the north of Scotland, but elsewhere the changes of pressure were again slight. Over our northern districts the wind drew more Westerly, but did not attain any great strength. Generally the weather was of a variable type, though with the exception of 20mm. at Dover there was very little rain in the British Isles and the western portion of the Continent. Elsewhere there were some heavy falls, up to 23mm. at Naples, and 34mm. at Brindisi and Lesina. Temperature continued well below the normal in most regions, but Alicante rose to 303°A, Laghouat to 305°A, and Biskra to 306°A.

## SURFACE TEMPERATURE of the SEA during the week ended Saturday, 6TH JUNE, 1914.




**Explanation of Charts.**—The height of the barometer is expressed by isobars, which are drawn for intervals of one centibar, the equivalent on the absolute scale of pressure units of 0·295 mercury inches. 1 centibar = 10 millibars. 100 centibars = 29·53 mercury inches = 750·1 mercury millimetres. The winds are shown by arrows which are drawn flying with the wind. Temperatures are given in degrees Absolute, freezing point = 273°, the initial 2 being omitted.

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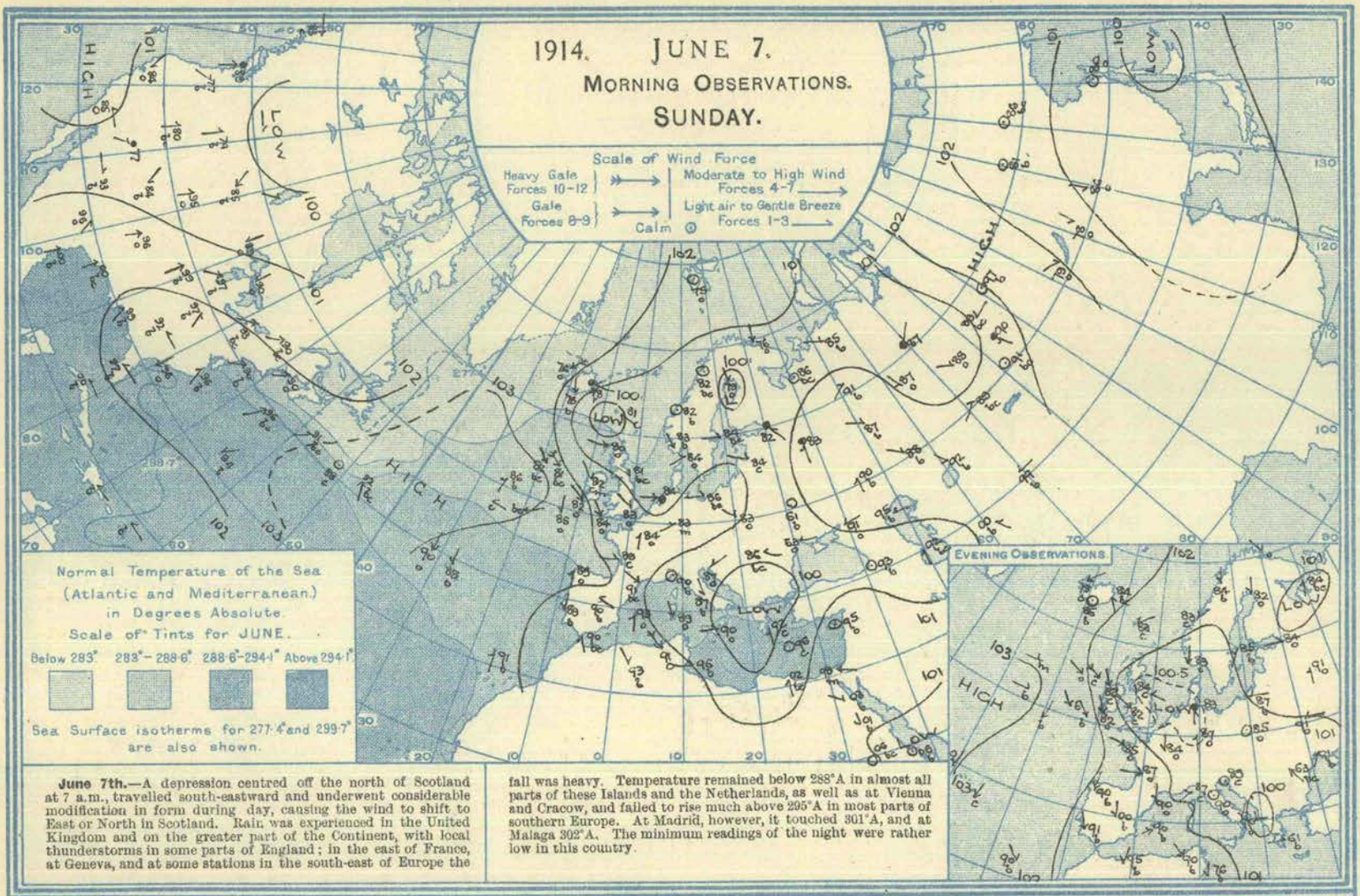
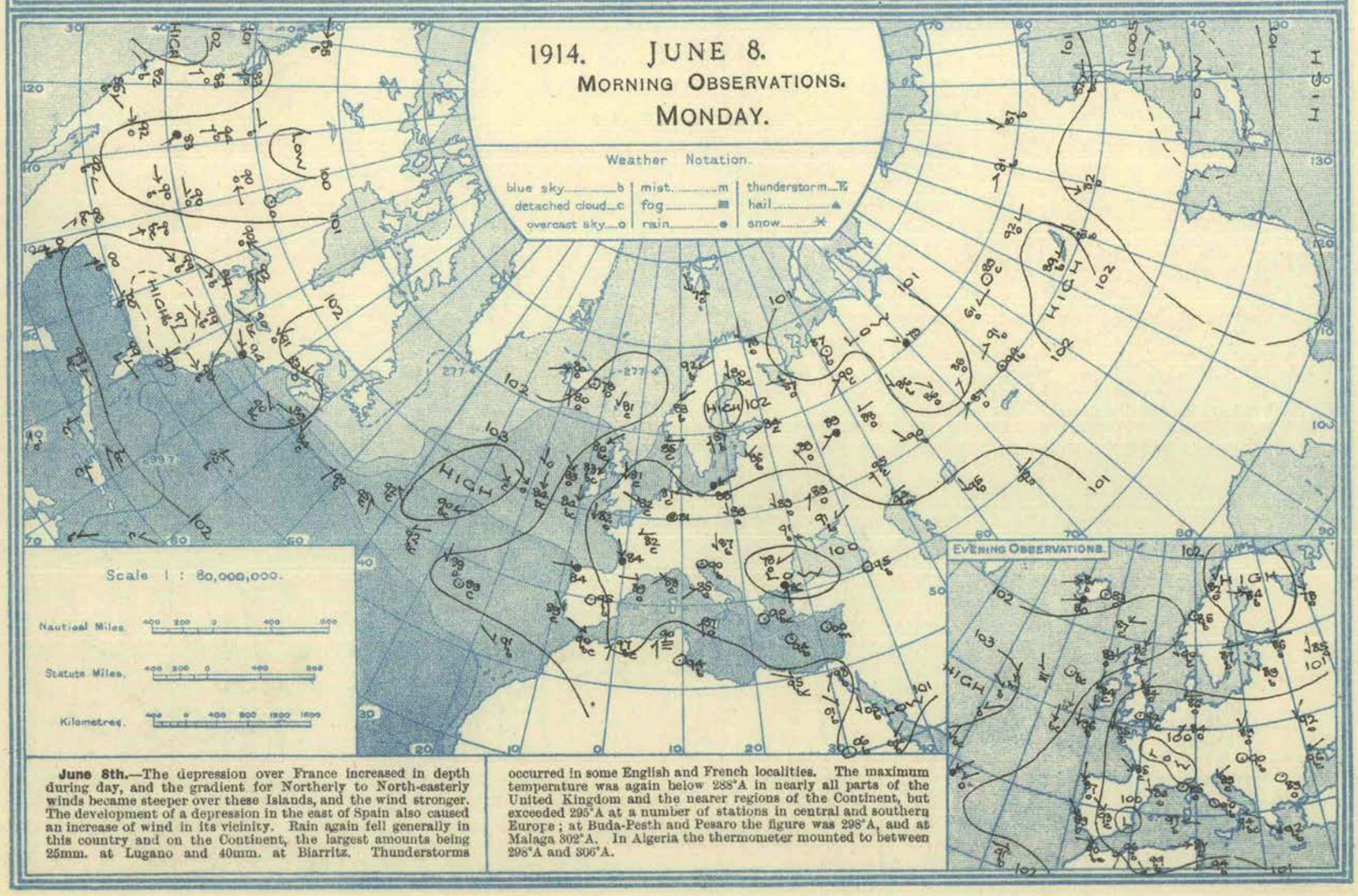
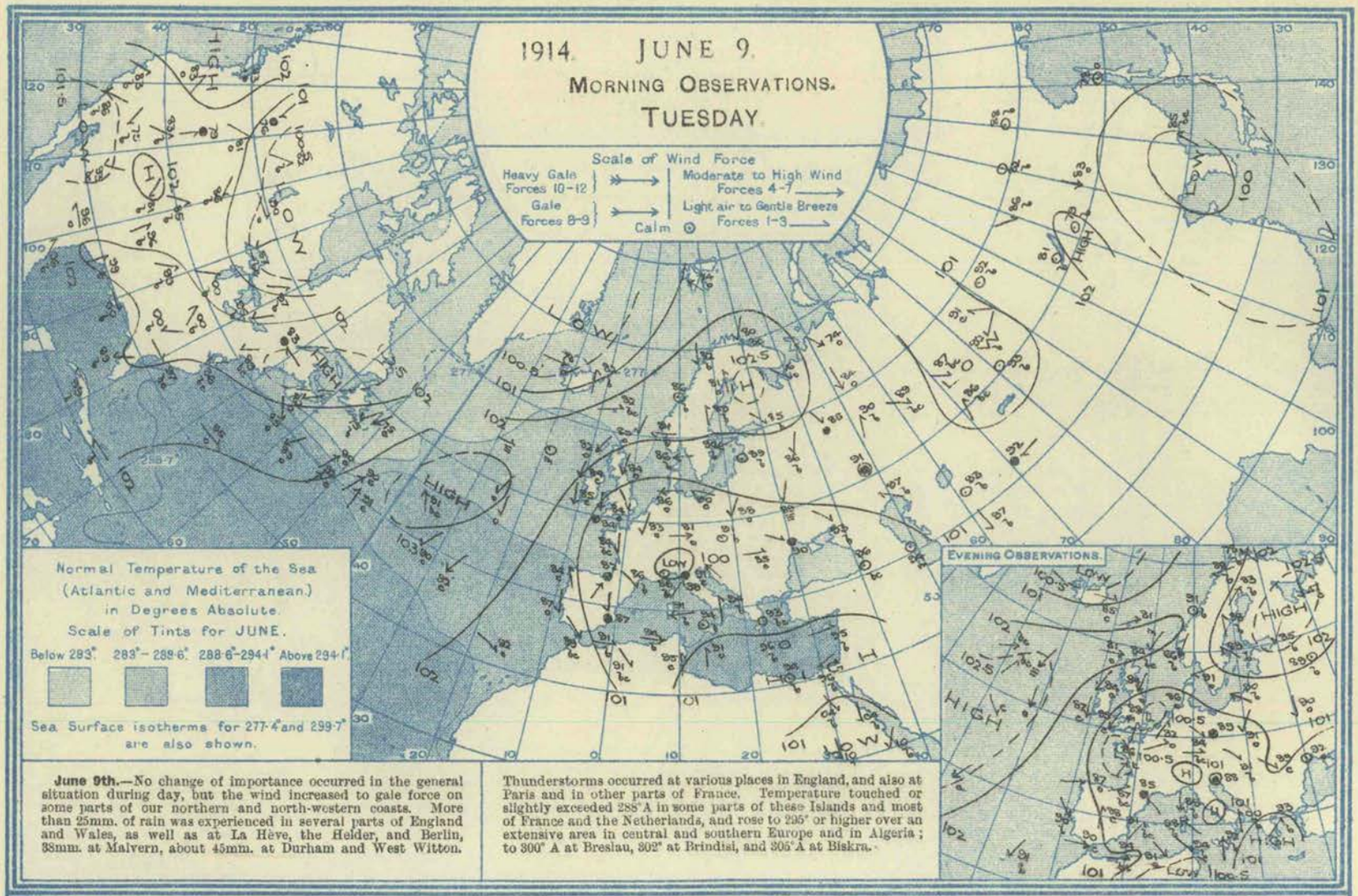
**Temperature of the Sea.**—The mean surface temperature of the sea, in degrees Absolute, observed during the week to which the report refers, is shown in black on the last chart. The normal temperature for the month is indicated by the intensity of the blue shading and the scale shown in an inset. The isotherms for 277·4°A and 299·7°A are shown by blue lines.




**June 7th.**—A depression centred off the north of Scotland at 7 a.m., travelled south-eastward and underwent considerable modification in form during day, causing the wind to shift to East or North in Scotland. Rain was experienced in the United Kingdom and on the greater part of the Continent, with local thunderstorms in some parts of England; in the east of France, at Geneva, and at some stations in the south-east of Europe the fall was heavy. Temperature remained below 288°A in almost all parts of these Islands and the Netherlands, as well as at Vienna and Cracow, and failed to rise much above 295°A in most parts of southern Europe. At Madrid, however, it touched 301°A, and at Malaga 302°A. The minimum readings of the night were rather low in this country.

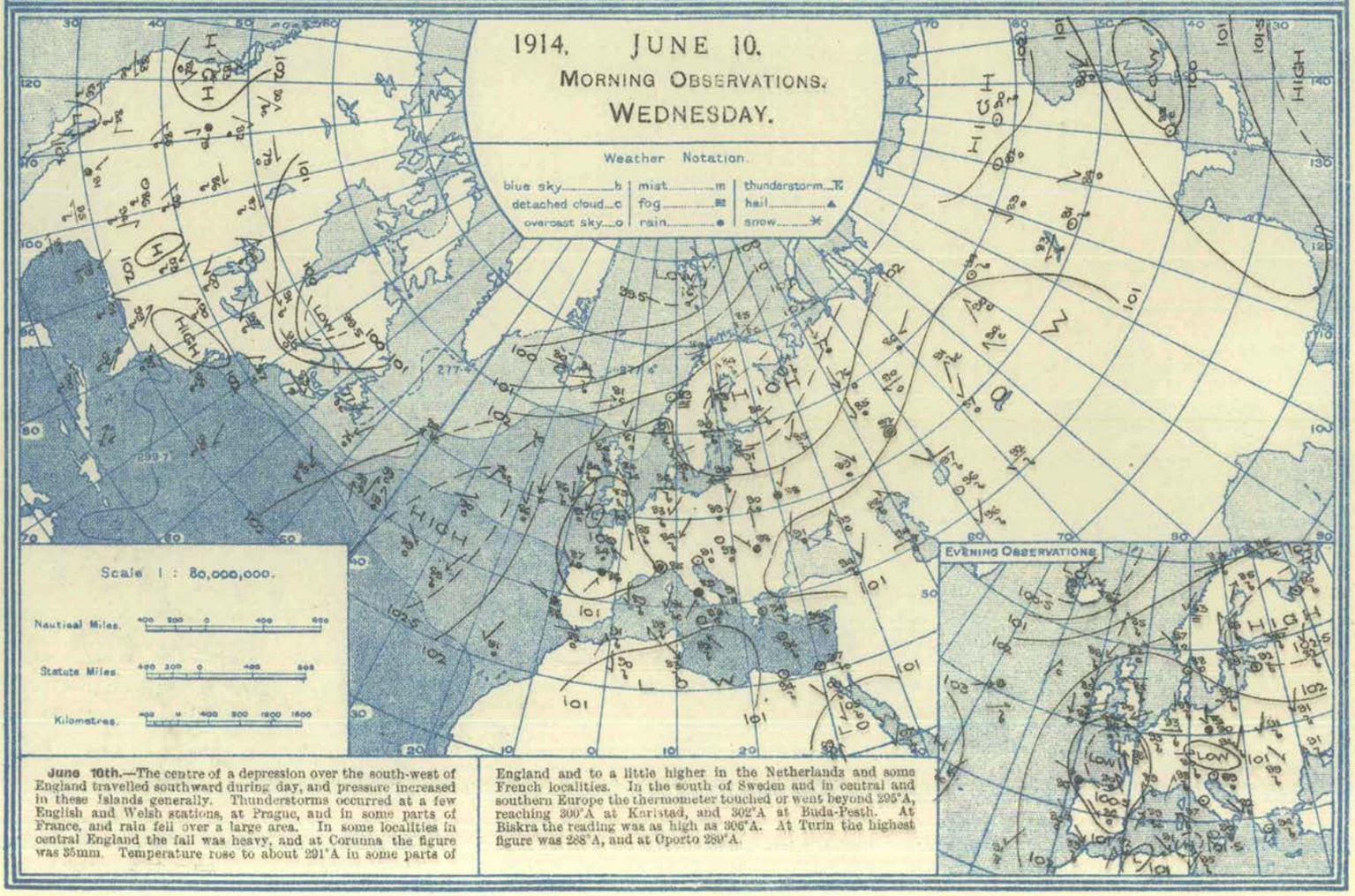



**June 8th.**—The depression over France increased in depth during day, and the gradient for Northerly to North-easterly winds became steeper over these Islands, and the wind stronger. The development of a depression in the east of Spain also caused an increase of wind in its vicinity. Rain again fell generally in this country and on the Continent, the largest amounts being 25mm. at Lugano and 40mm. at Biarritz. Thunderstorms occurred in some English and French localities. The maximum temperature was again below 288°A in nearly all parts of the United Kingdom and the nearer regions of the Continent, but exceeded 295°A at a number of stations in central and southern Europe; at Buda-Pesth and Pesaro the figure was 298°A, and at Malaga 302°A. In Algeria the thermometer mounted to between 295°A and 306°A.

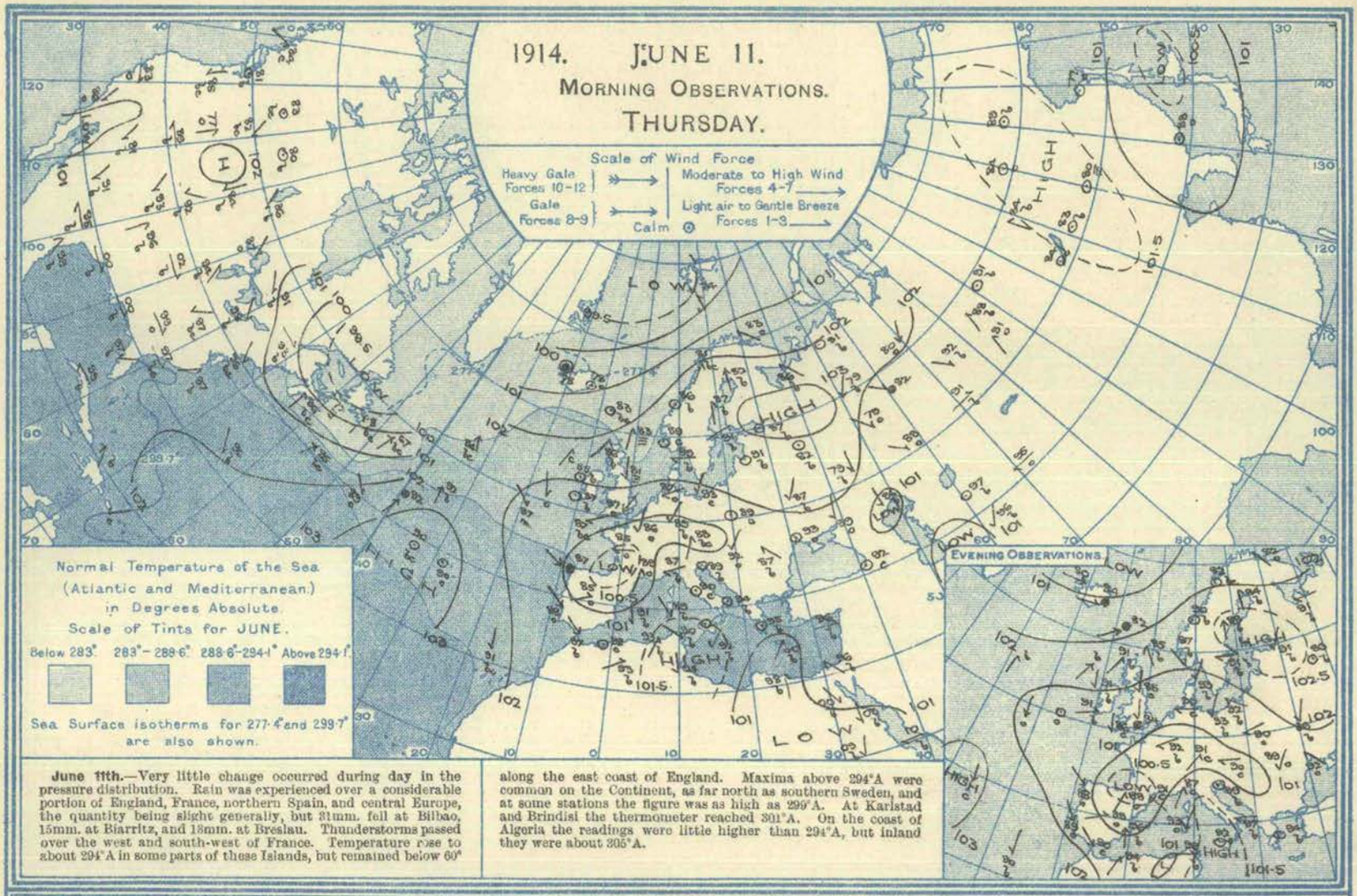



**June 9th.**—No change of importance occurred in the general situation during day, but the wind increased to gale force on some parts of our northern and north-western coasts. More than 25mm. of rain was experienced in several parts of England and Wales, as well as at La Hève, the Helder, and Berlin, 38mm. at Malvern, about 45mm. at Durham and West Witton.

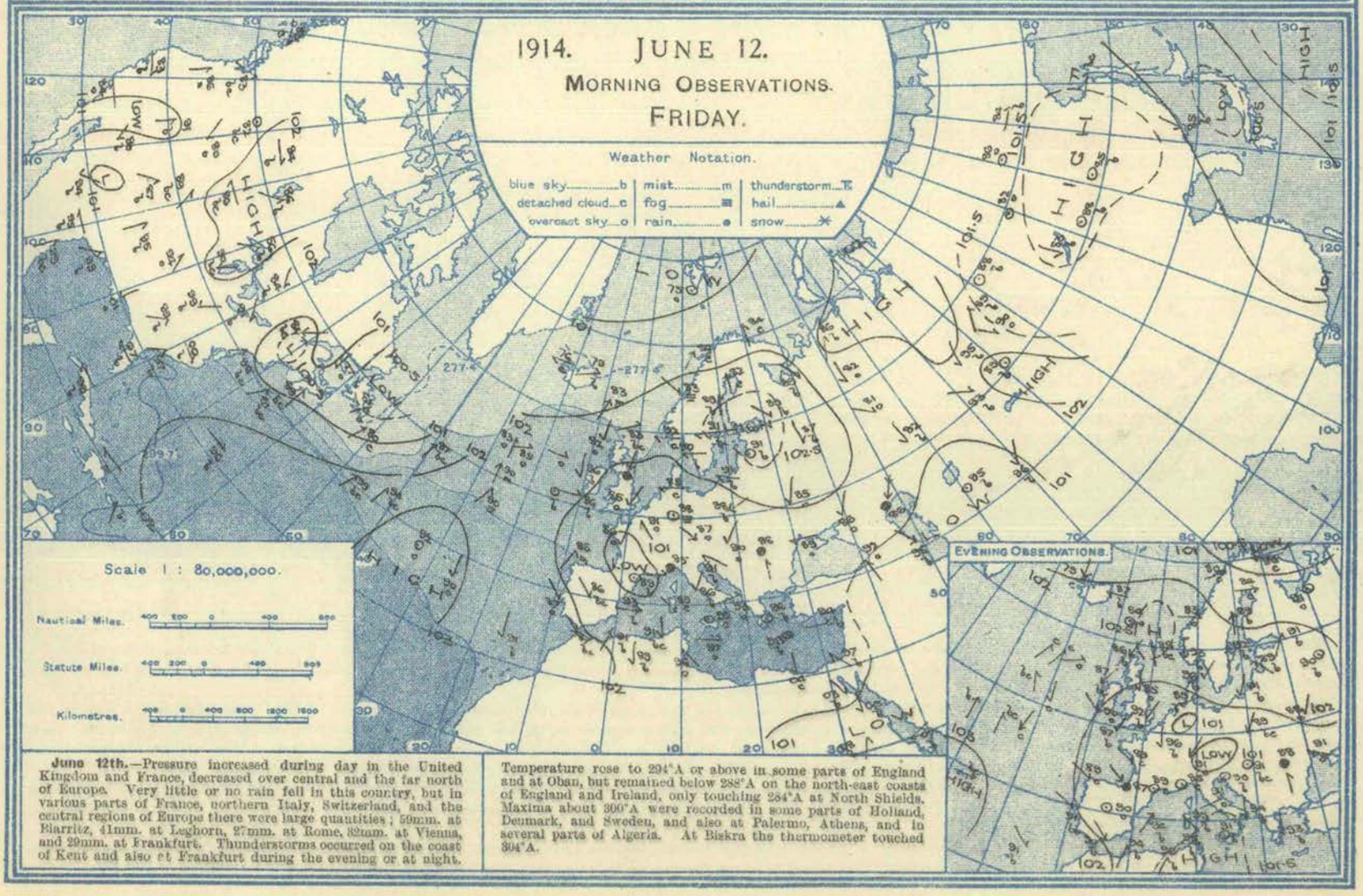
Thunderstorms occurred at various places in England, and also at Paris and in other parts of France. Temperature touched or slightly exceeded 288°A in some parts of these Islands and most of France and the Netherlands, and rose to 295° or higher over an extensive area in central and southern Europe and in Algeria; to 300° A at Breslau, 302° at Brindisi, and 305°A at Biskra.



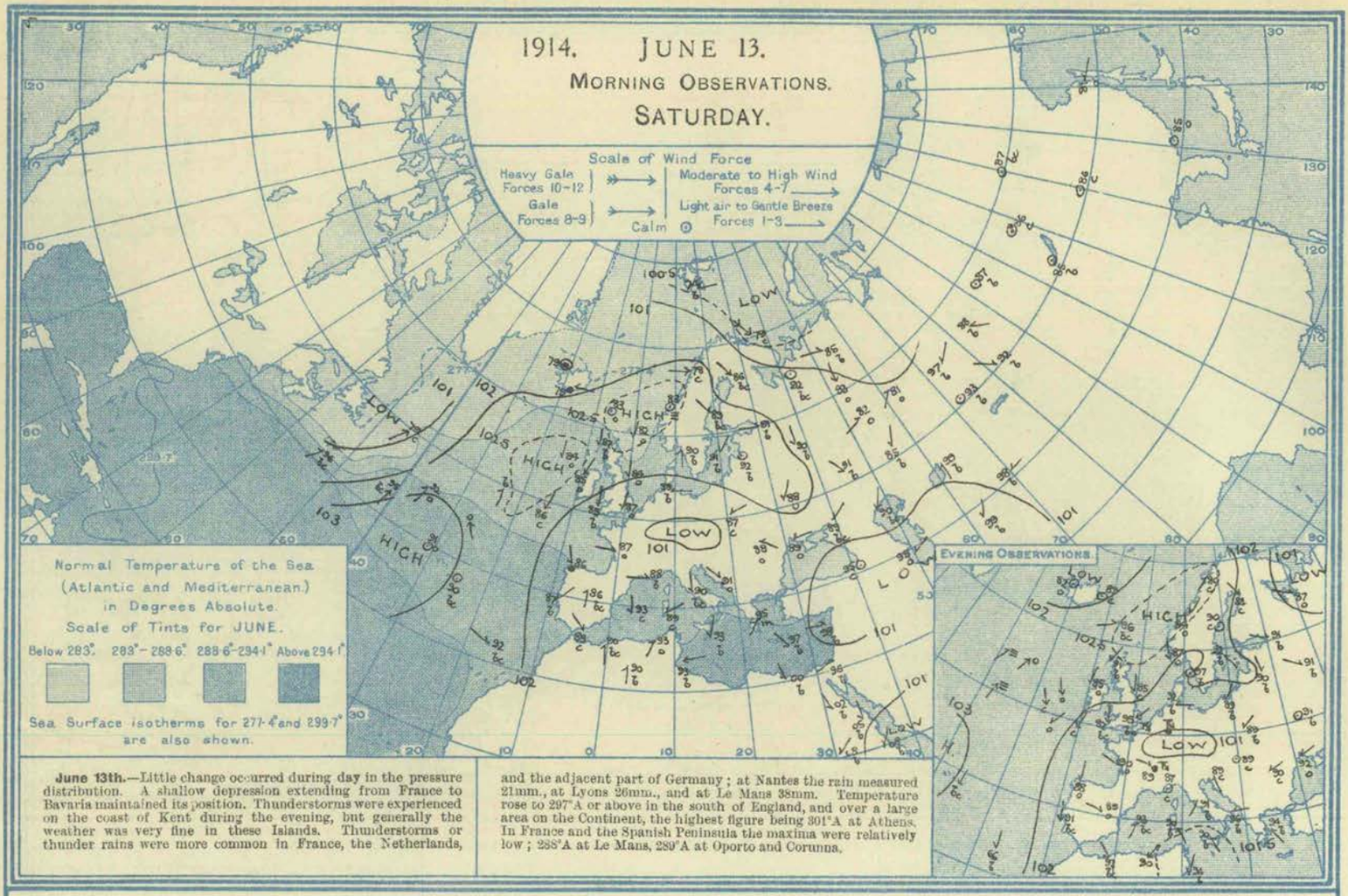

**June 10th.**—The centre of a depression over the south-west of England travelled southward during day, and pressure increased in these Islands generally. Thunderstorms occurred at a few English and Welsh stations, at Prague, and in some parts of France, and rain fell over a large area. In some localities in central England the fall was heavy, and at Coruna the figure was 35mm. Temperature rose to about 291°A in some parts of England and to a little higher in the Netherlands and some French localities. In the south of Sweden and in central and southern Europe the thermometer touched or went beyond 295°A, reaching 300°A at Karlstad, and 302°A at Buda-Pesth. At Biskra the reading was as high as 306°A. At Turin the highest figure was 288°A, and at Oporto 289°A.




**June 11th.**—Very little change occurred during day in the pressure distribution. Rain was experienced over a considerable portion of England, France, northern Spain, and central Europe, the quantity being slight generally, but 31mm. fell at Bilbao, 15mm. at Biarritz, and 18mm. at Breslau. Thunderstorms passed over the west and south-west of France. Temperature rose to about 294°A in some parts of these Islands, but remained below 60° along the east coast of England. Maxima above 294°A were common on the Continent, as far north as southern Sweden, and at some stations the figure was as high as 299°A. At Karlstad and Brindisi the thermometer reached 301°A. On the coast of Algeria the readings were little higher than 294°A, but inland they were about 305°A.

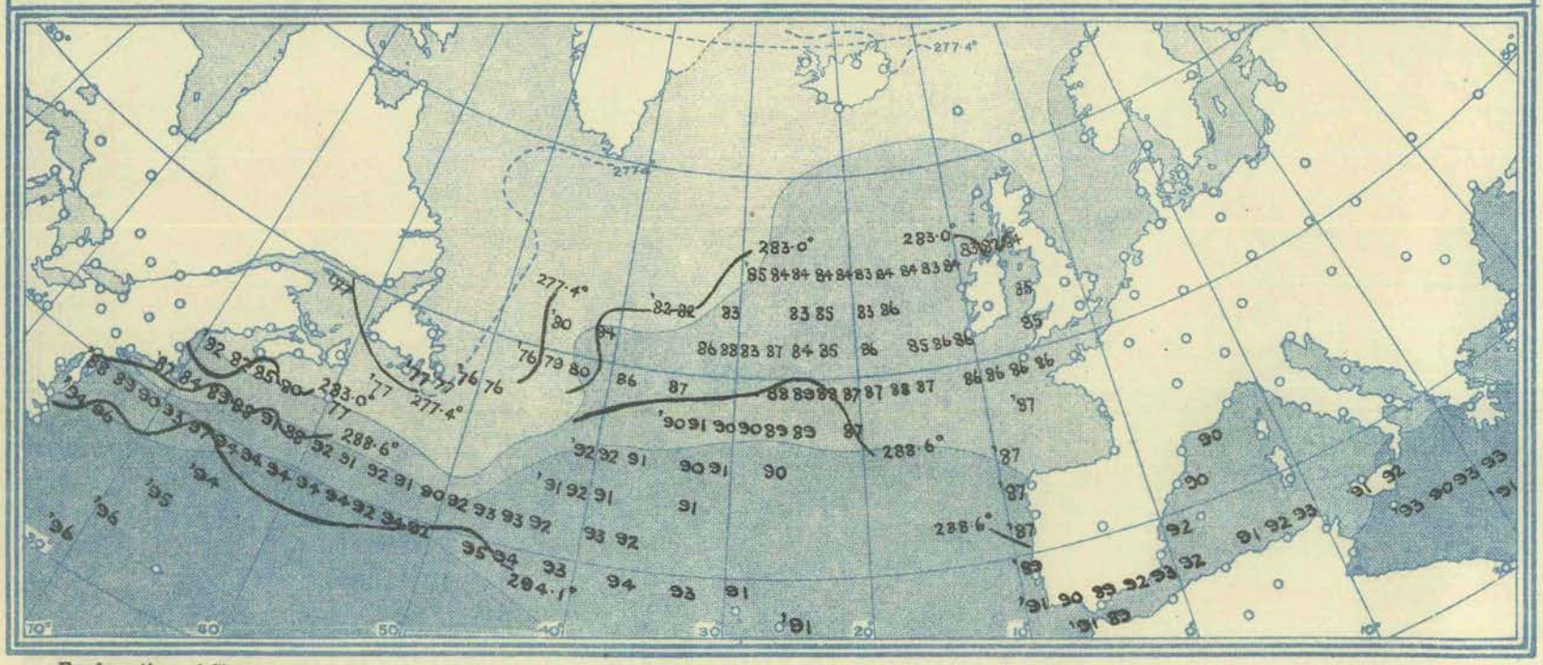



**June 12th.**—Pressure increased during day in the United Kingdom and France, decreased over central and the far north of Europe. Very little or no rain fell in this country, but in various parts of France, northern Italy, Switzerland, and the central regions of Europe there were large quantities; 59mm. at Biarritz, 41mm. at Leghorn, 27mm. at Rome, 32mm. at Vienna, and 29mm. at Frankfurt. Thunderstorms occurred on the coast of Kent and also at Frankfurt during the evening or at night. Temperature rose to 294°A or above in some parts of England and at Oban, but remained below 288°A on the north-east coasts of England and Ireland, only touching 284°A at North Shields. Maxima about 300°A were recorded in some parts of Holland, Denmark, and Sweden, and also at Palermo, Athens, and in several parts of Algeria. At Biskra the thermometer touched 304°A.




**June 13th.**—Little change occurred during day in the pressure distribution. A shallow depression extending from France to Bavaria maintained its position. Thunderstorms were experienced on the coast of Kent during the evening, but generally the weather was very fine in these Islands. Thunderstorms or thunder rains were more common in France, the Netherlands, and the adjacent part of Germany; at Nantes the rain measured 21mm., at Lyons 26mm., and at Le Mans 38mm. Temperature rose to 297°A or above in the south of England, and over a large area on the Continent, the highest figure being 301°A at Athens. In France and the Spanish Peninsula the maxima were relatively low; 288°A at Le Mans, 289°A at Oporto and Corunna.

## *SURFACE TEMPERATURE of the SEA during the week ended Saturday, 13TH. JUNE, 1914.*

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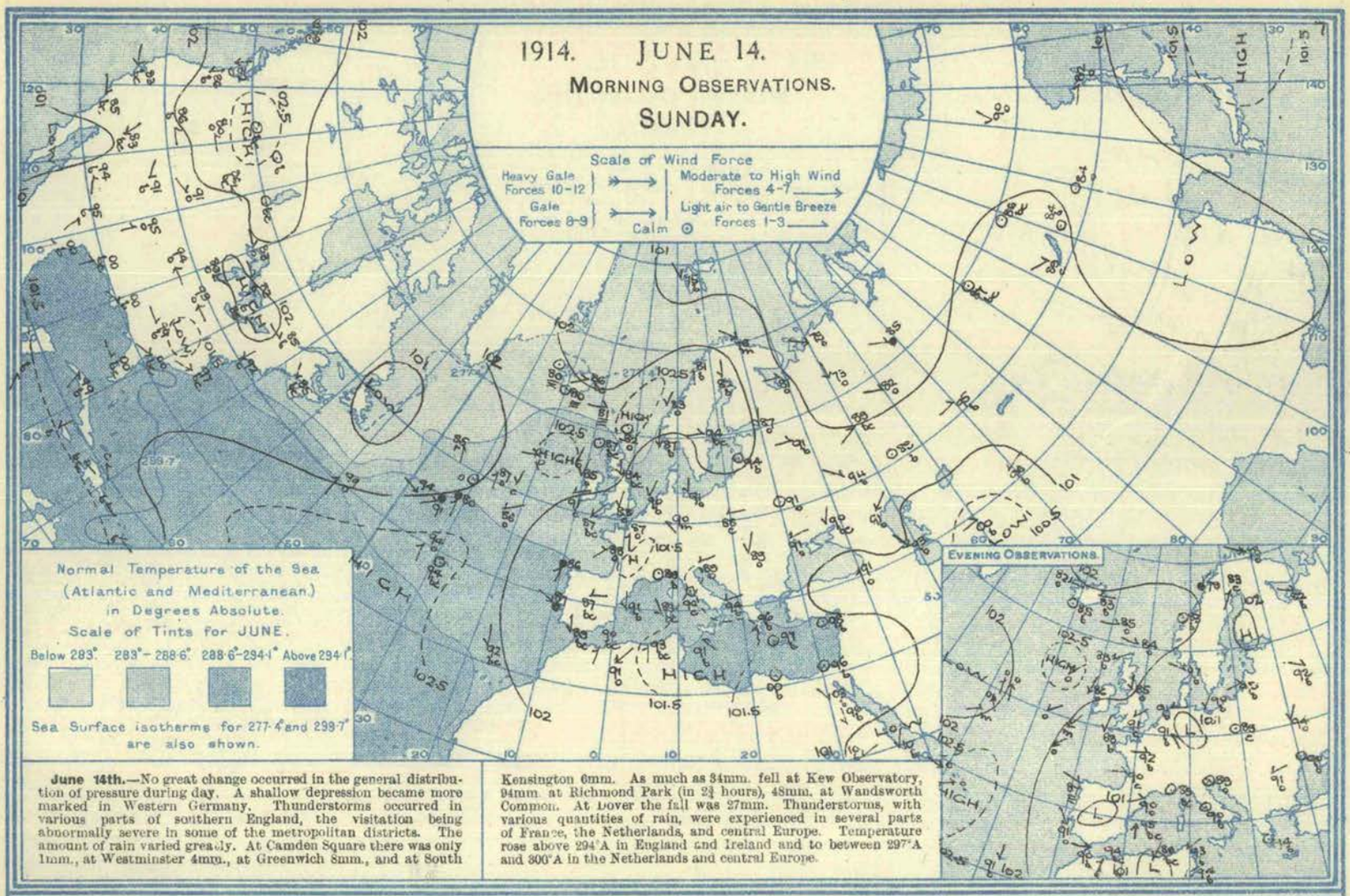
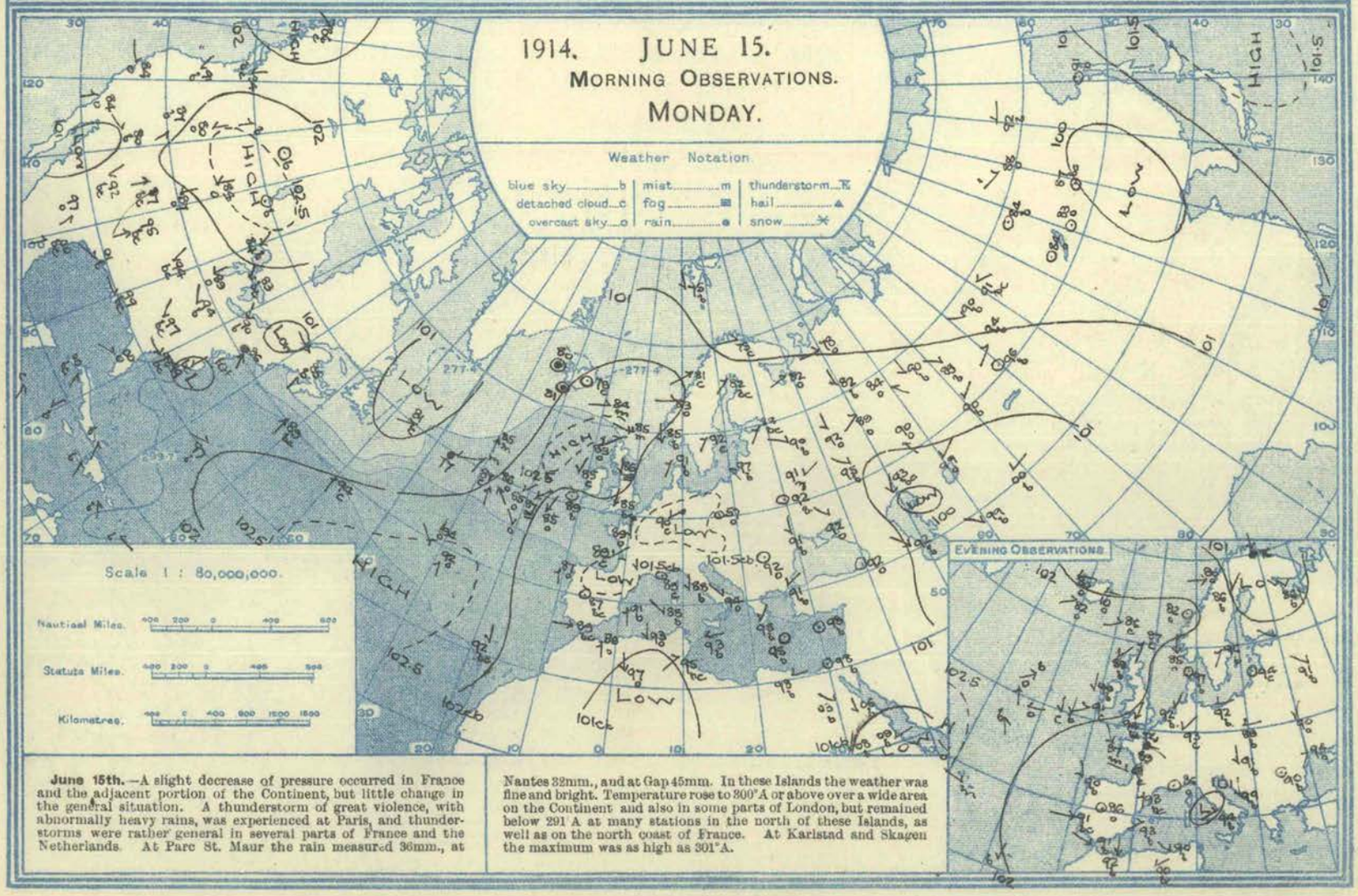
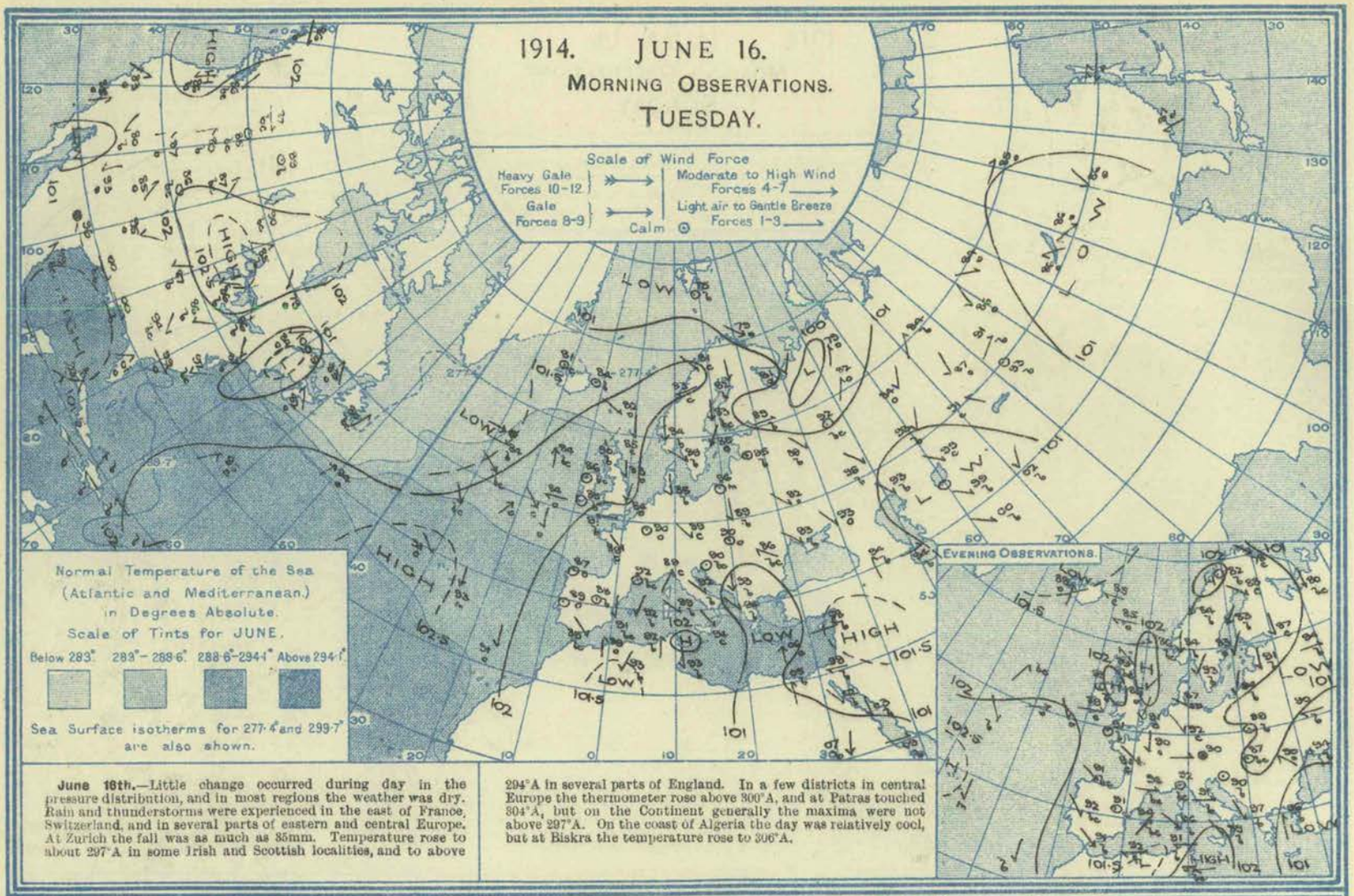


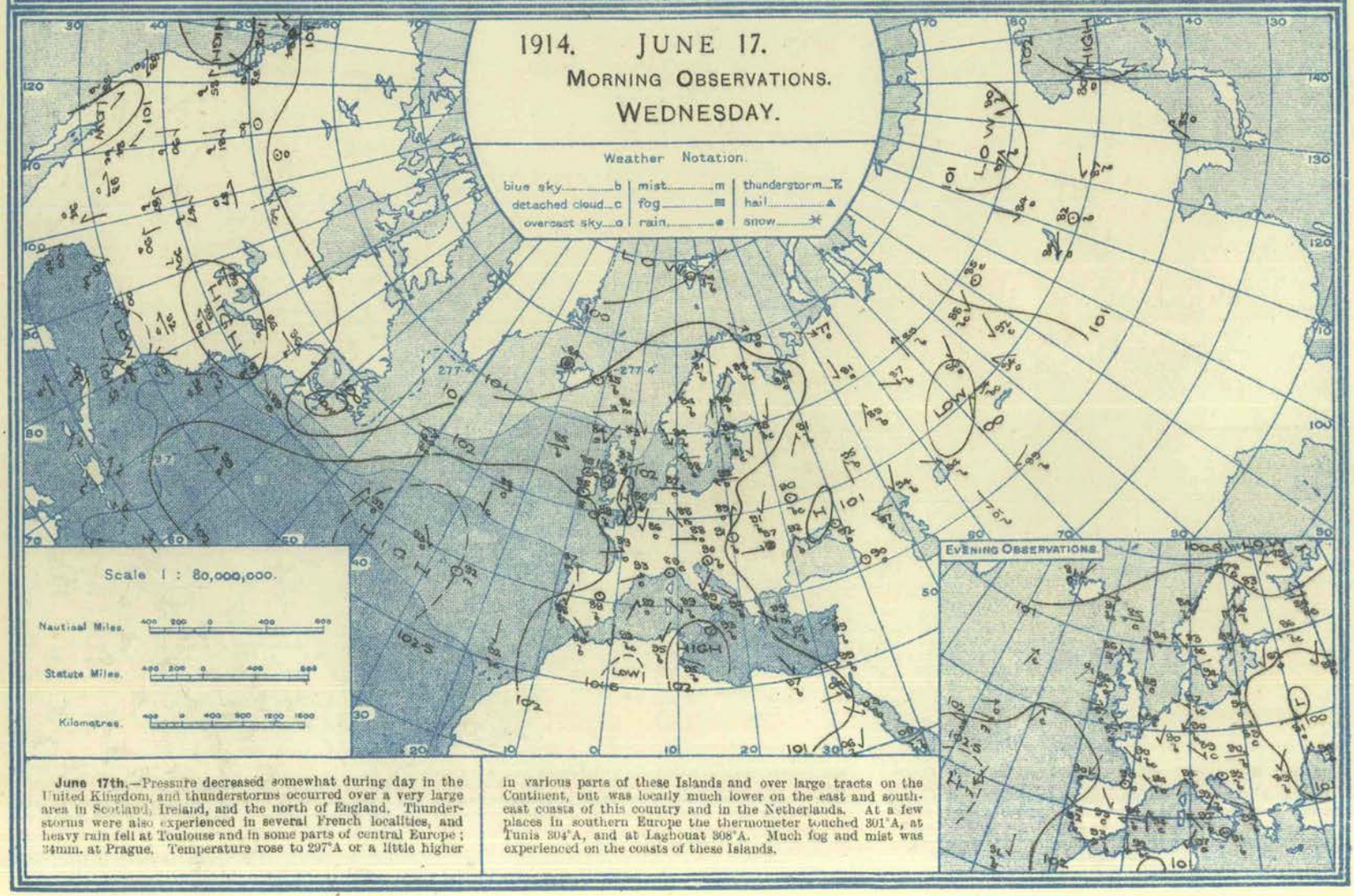

**June 14th.**—No great change occurred in the general distribution of pressure during day. A shallow depression became more marked in Western Germany. Thunderstorms occurred in various parts of southern England, the visitation being abnormally severe in some of the metropolitan districts. The amount of rain varied greatly. At Camden Square there was only 1mm., at Westminster 4mm., at Greenwich 8mm., and at South Kensington 6mm. As much as 34mm. fell at Kew Observatory, 94mm. at Richmond Park (in 2¾ hours), 48mm. at Wandsworth Common. At Dover the fall was 27mm. Thunderstorms, with various quantities of rain, were experienced in several parts of France, the Netherlands, and central Europe. Temperature rose above 294°A in England and Ireland and to between 297°A and 300°A in the Netherlands and central Europe.



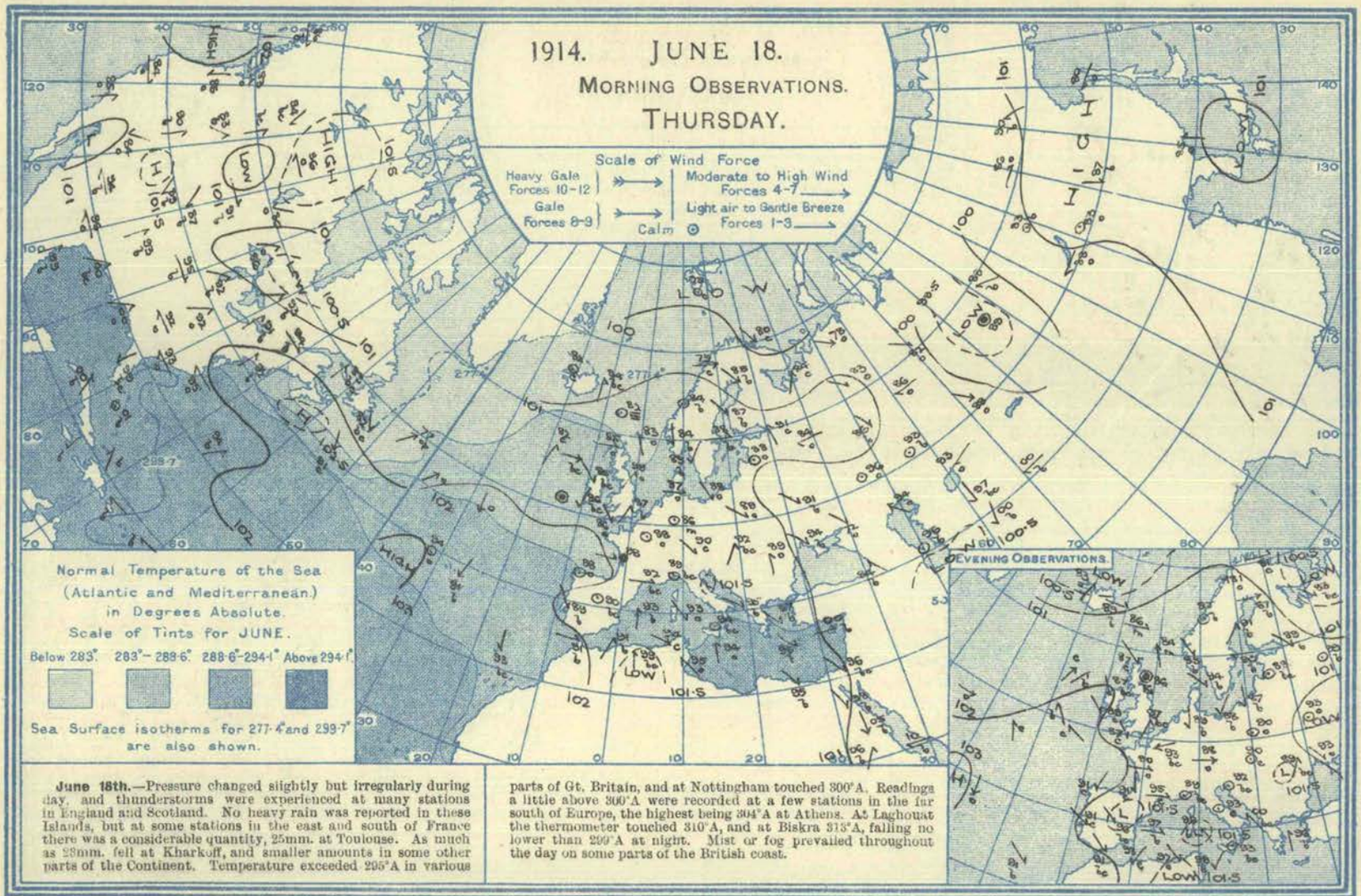

**June 15th.**—A slight decrease of pressure occurred in France and the adjacent portion of the Continent, but little change in the general situation. A thunderstorm of great violence, with abnormally heavy rains, was experienced at Paris, and thunderstorms were rather general in several parts of France and the Netherlands. At Parc St. Maur the rain measured 36mm., at Nantes 32mm., and at Gap 45mm. In these Islands the weather was fine and bright. Temperature rose to 300°A or above over a wide area on the Continent and also in some parts of London, but remained below 291°A at many stations in the north of these Islands, as well as on the north coast of France. At Karlstad and Skagen the maximum was as high as 301°A.



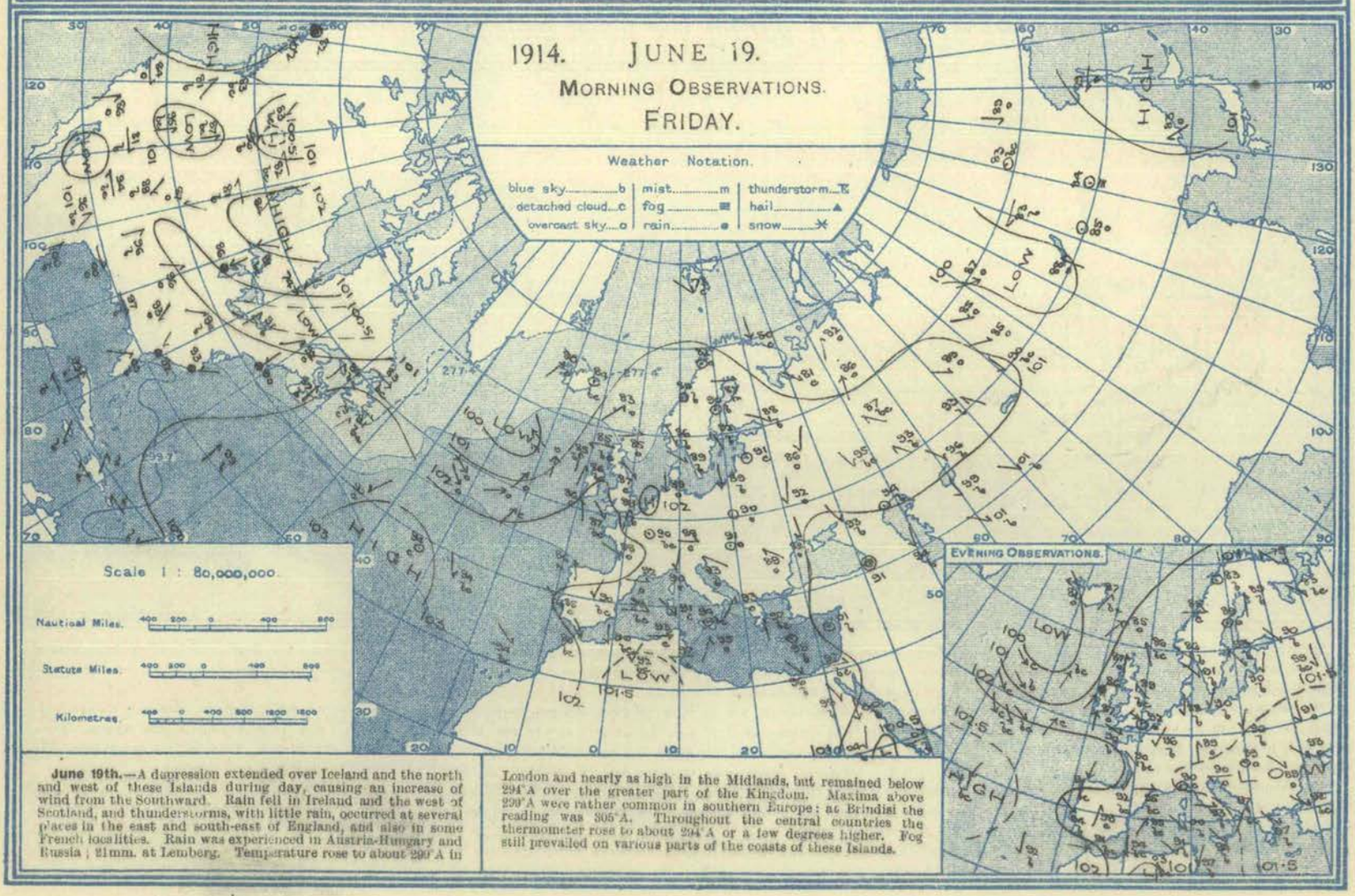

**June 16th.**—Little change occurred during day in the pressure distribution, and in most regions the weather was dry. Rain and thunderstorms were experienced in the east of France, Switzerland, and in several parts of eastern and central Europe. At Zurich the fall was as much as 35mm. Temperature rose to about 297°A in some Irish and Scottish localities, and to above 294°A in several parts of England. In a few districts in central Europe the thermometer rose above 300°A, and at Patras touched 304°A, but on the Continent generally the maxima were not above 297°A. On the coast of Algeria the day was relatively cool, but at Biskra the temperature rose to 306°A.



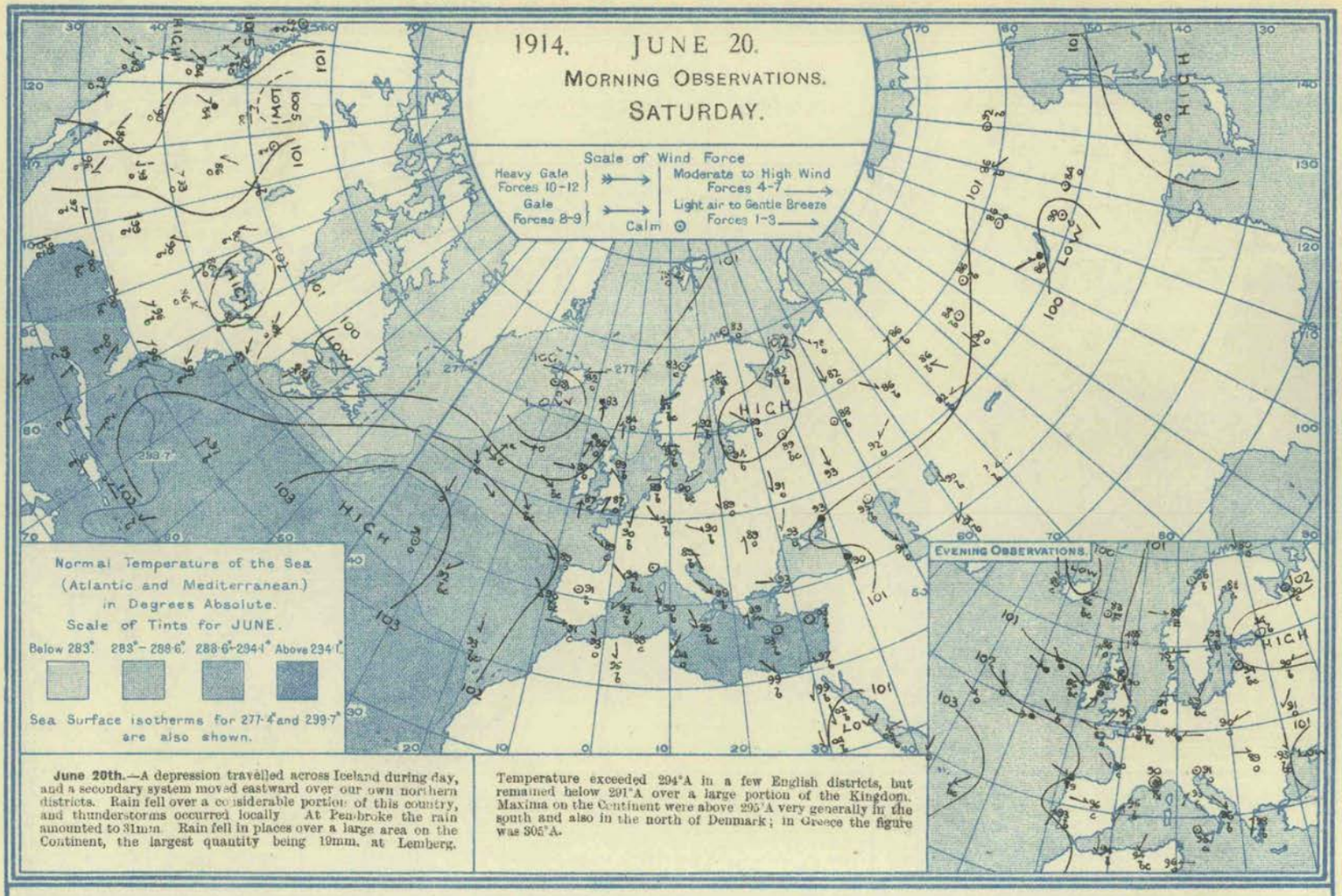

**June 17th.**—Pressure decreased somewhat during day in the United Kingdom, and thunderstorms occurred over a very large area in Scotland, Ireland, and the north of England. Thunderstorms were also experienced in several French localities, and heavy rain fell at Toulouse and in some parts of central Europe; 34mm. at Prague. Temperature rose to 297°A or a little higher in various parts of these Islands and over large tracts on the Continent, but was locally much lower on the east and south-east coasts of this country and in the Netherlands. At a few places in southern Europe the thermometer touched 301°A, at Tunis 304°A, and at Laghouat 308°A. Much fog and mist was experienced on the coasts of these Islands.




**June 18th.**—Pressure changed slightly but irregularly during day, and thunderstorms were experienced at many stations in England and Scotland. No heavy rain was reported in these Islands, but at some stations in the east and south of France there was a considerable quantity, 25mm. at Toulouse. As much as 28mm. fell at Kharkoff, and smaller amounts in some other parts of the Continent. Temperature exceeded 295°A in various parts of Gt. Britain, and at Nottingham touched 300°A. Readings a little above 300°A were recorded at a few stations in the far south of Europe, the highest being 304°A at Athens. At Laghouat the thermometer touched 310°A, and at Biskra 313°A, falling no lower than 299°A at night. Mist or fog prevailed throughout the day on some parts of the British coast.



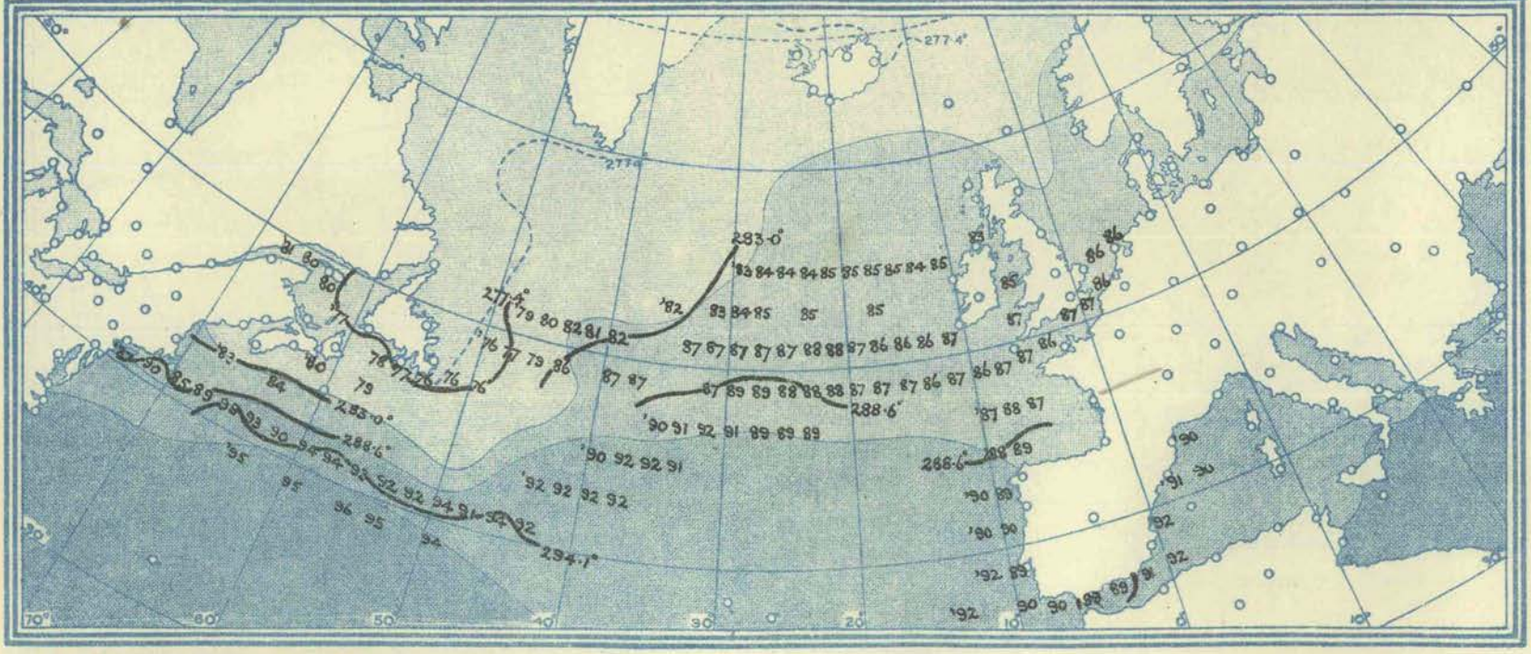

**June 19th.**—A depression extended over Iceland and the north and west of these Islands during day, causing an increase of wind from the Southward. Rain fell in Ireland and the west of Scotland, and thunderstorms, with little rain, occurred at several places in the east and south-east of England, and also in some French localities. Rain was experienced in Austria-Hungary and Russia; 21mm. at Lemberg. Temperature rose to about 290°A in London and nearly as high in the Midlands, but remained below 294°A over the greater part of the Kingdom. Maxima above 299°A were rather common in southern Europe: at Brindisi the reading was 305°A. Throughout the central countries the thermometer rose to about 294°A or a few degrees higher. Fog still prevailed on various parts of the coasts of these Islands.




**June 20th.**—A depression travelled across Iceland during day, and a secondary system moved eastward over our own northern districts. Rain fell over a considerable portion of this country, and thunderstorms occurred locally. At Pembroke the rain amounted to 31mm. Rain fell in places over a large area on the Continent, the largest quantity being 19mm. at Lemberg.

Temperature exceeded 294°A in a few English districts, but remained below 291°A over a large portion of the Kingdom. Maxima on the Continent were above 295°A very generally in the south and also in the north of Denmark; in Greece the figure was 305°A.

## *SURFACE TEMPERATURE of the SEA during the week ended Saturday, 20TH. JUNE, 1914.*

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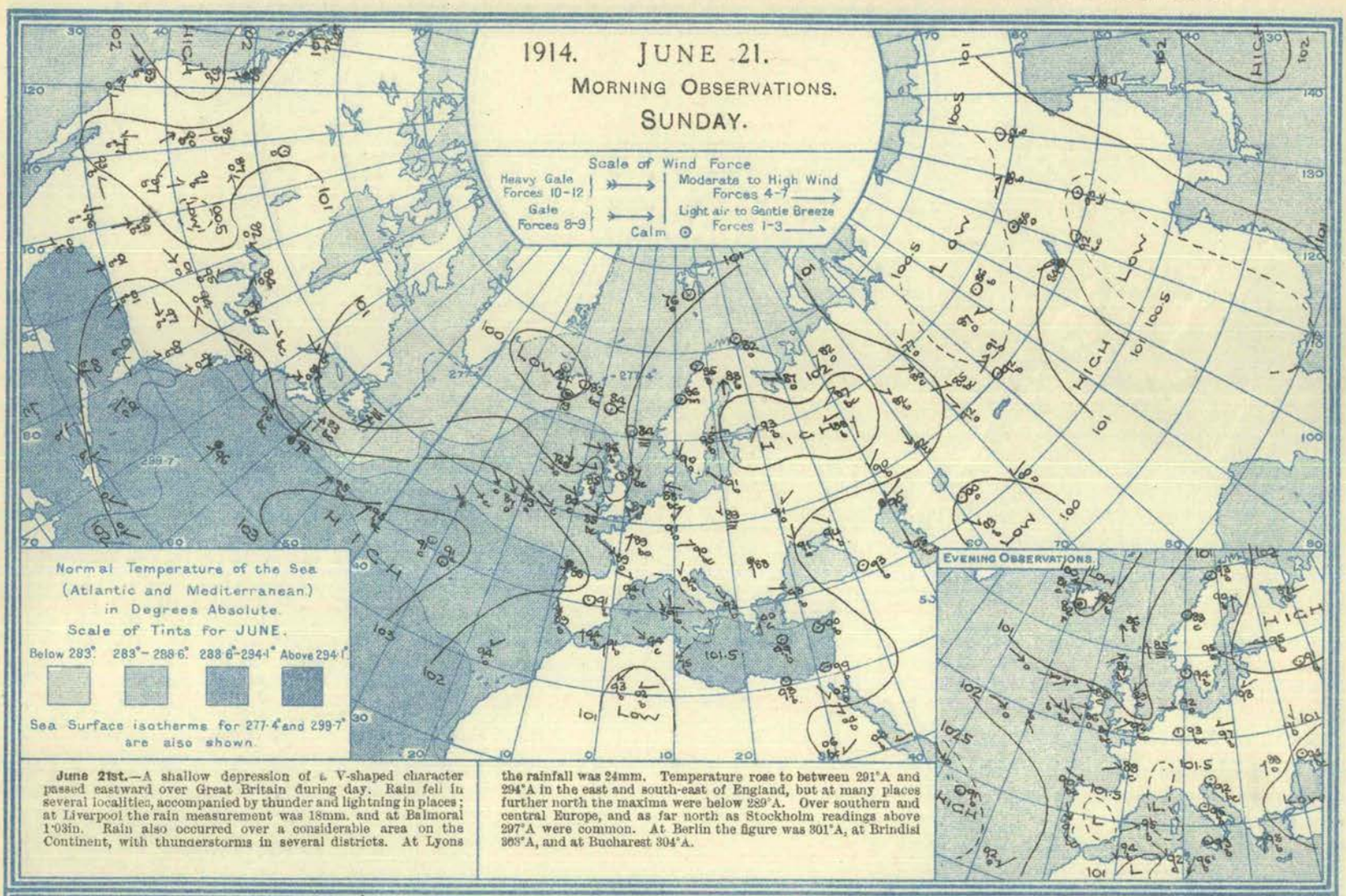
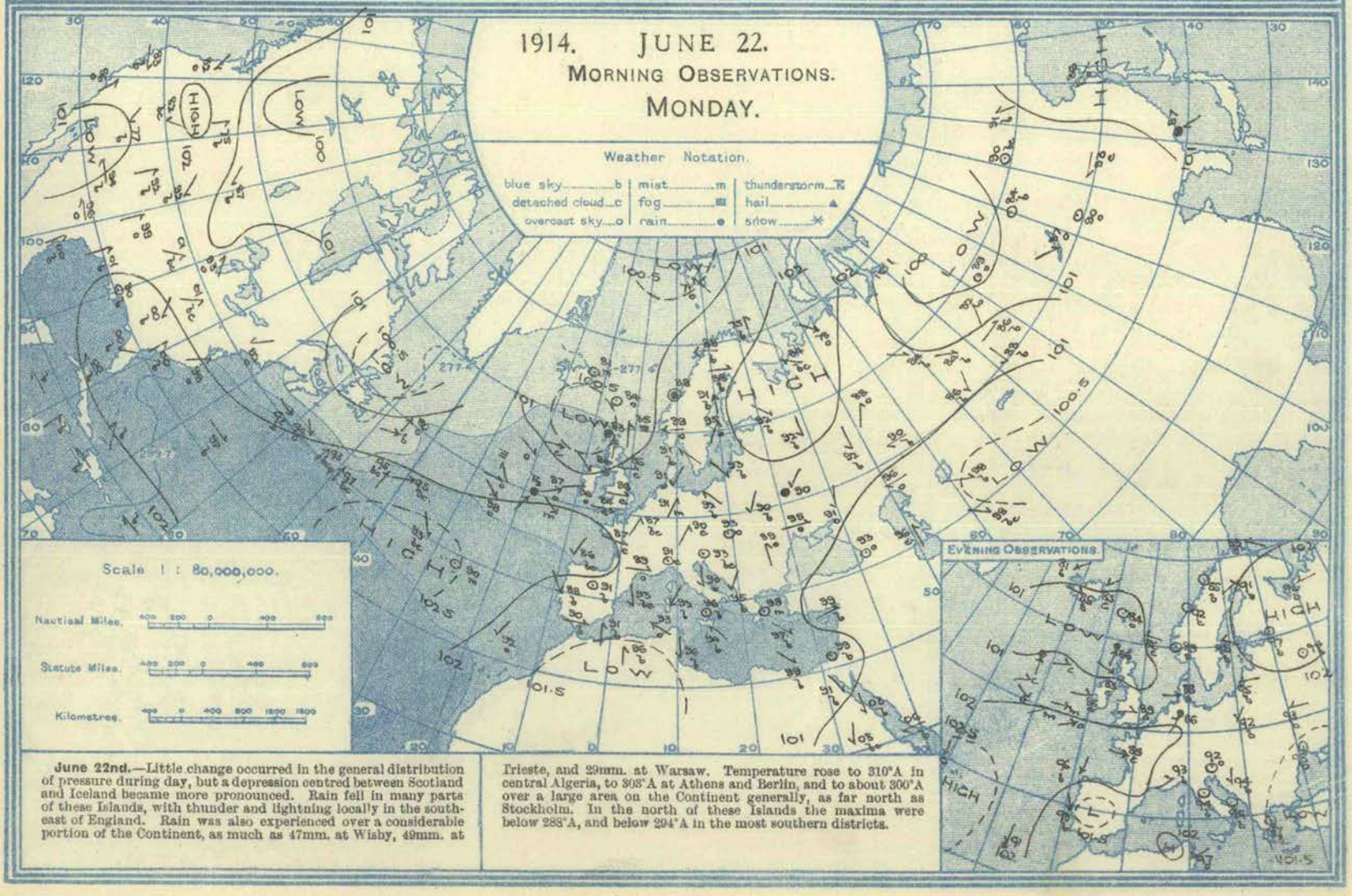
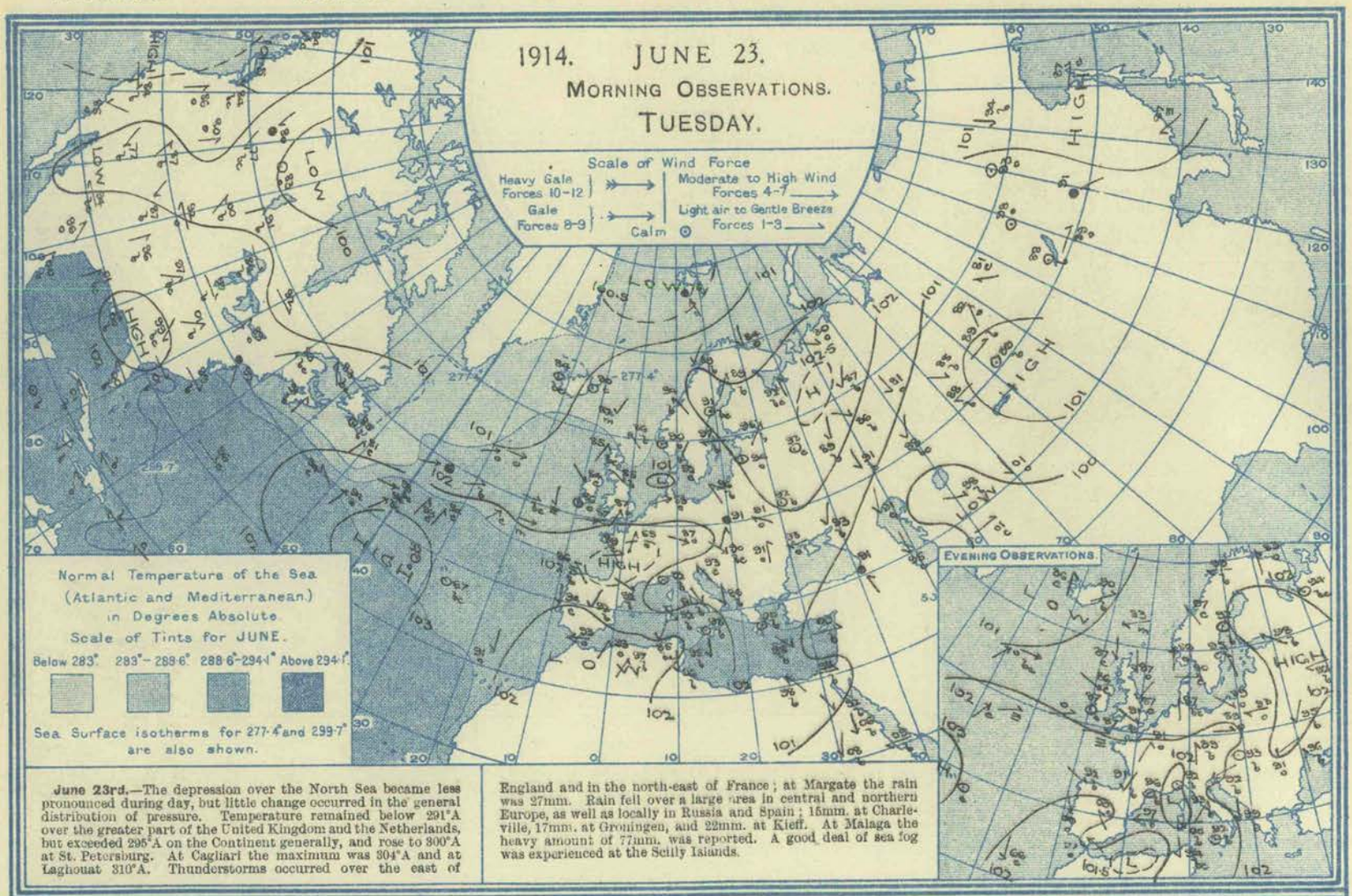


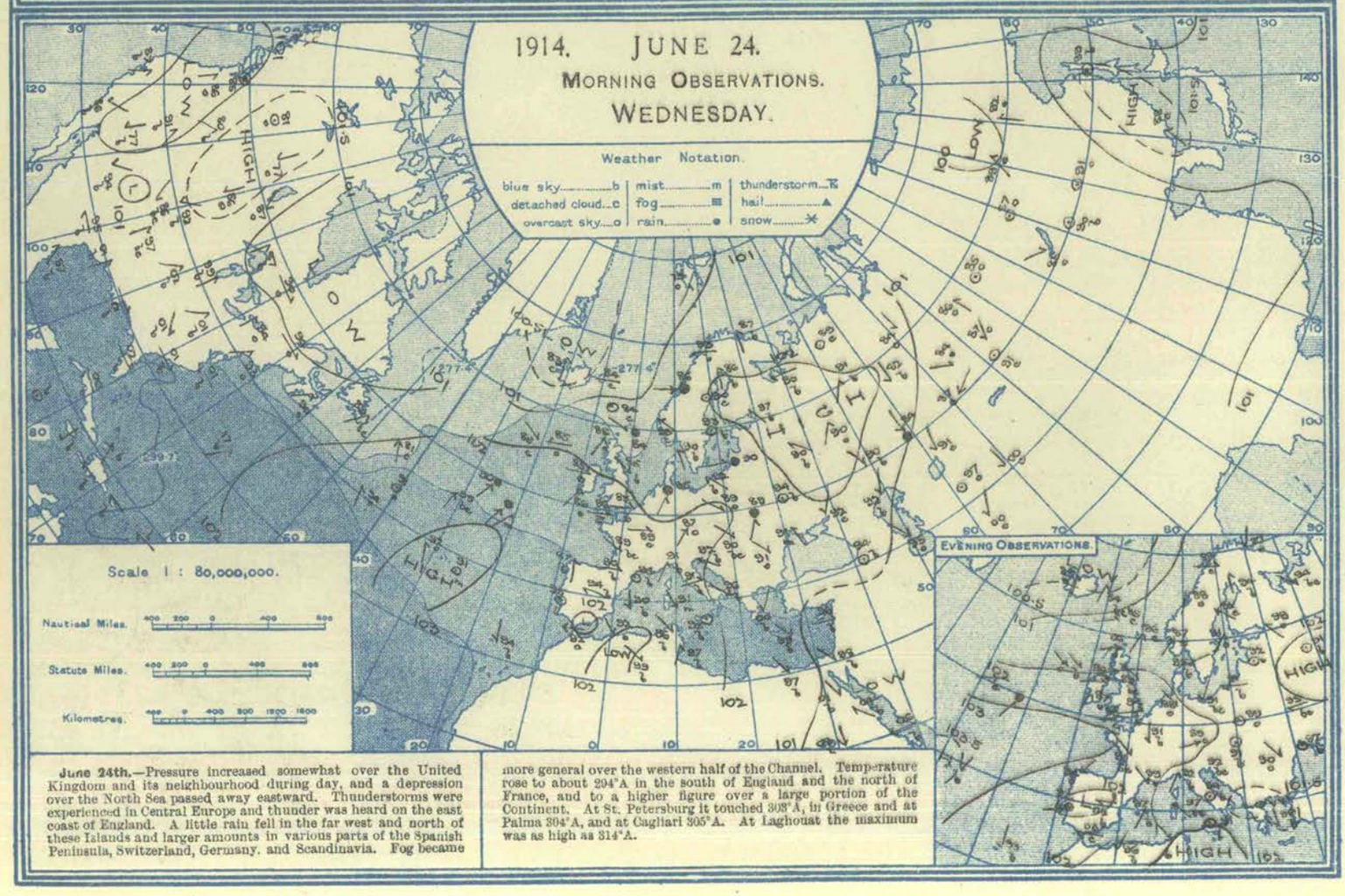

**June 21st.**—A shallow depression of a V-shaped character passed eastward over Great Britain during day. Rain fell in several localities, accompanied by thunder and lightning in places; at Liverpool the rain measurement was 18mm. and at Balmoral 1·03in. Rain also occurred over a considerable area on the Continent, with thunderstorms in several districts. At Lyons the rainfall was 24mm. Temperature rose to between 291°A and 294°A in the east and south-east of England, but at many places further north the maxima were below 289°A. Over southern and central Europe, and as far north as Stockholm readings above 297°A were common. At Berlin the figure was 301°A, at Brindisi 303°A, and at Bucharest 304°A.



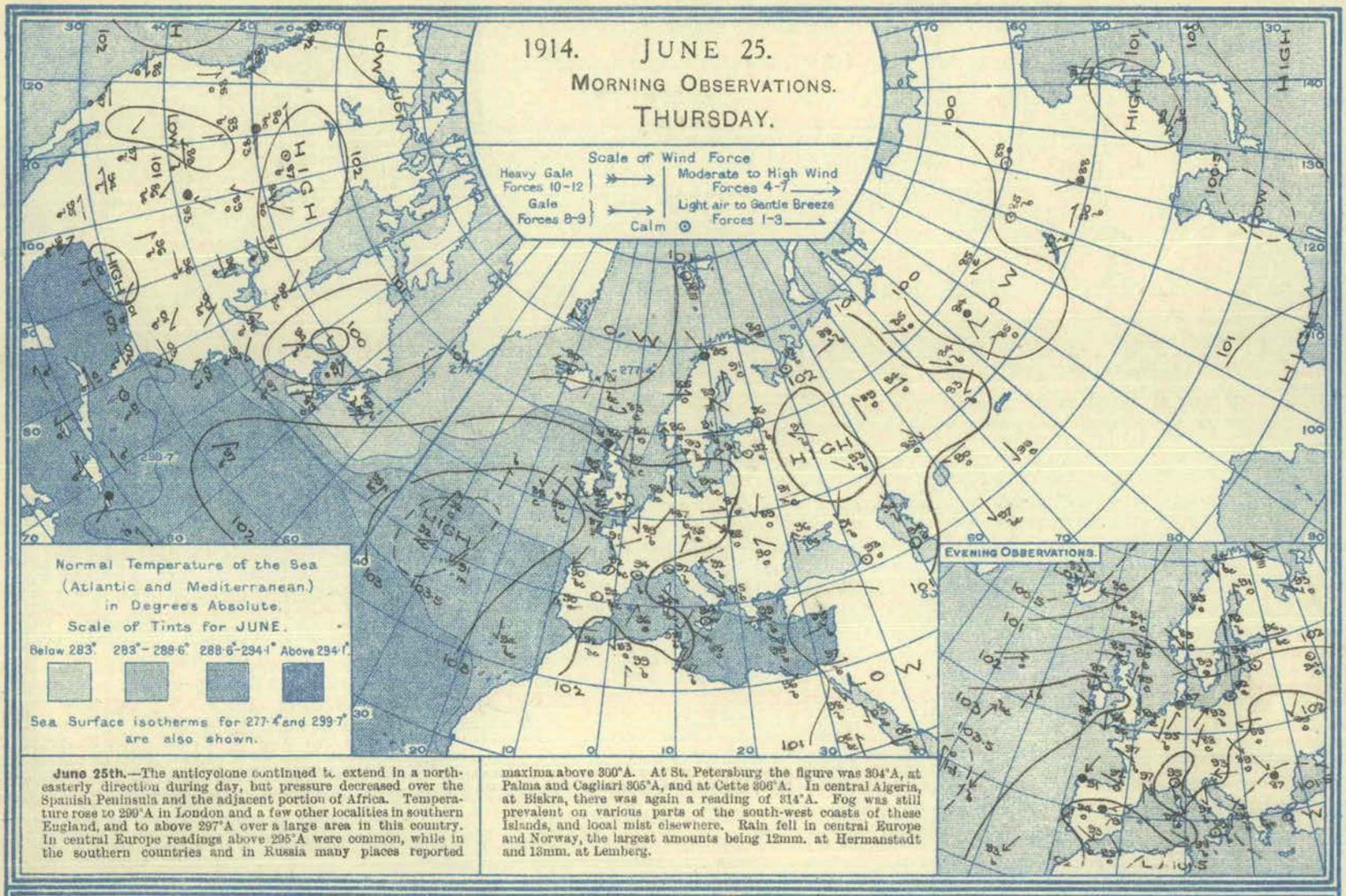

**June 22nd.**—Little change occurred in the general distribution of pressure during day, but a depression centred between Scotland and Iceland became more pronounced. Rain fell in many parts of these Islands, with thunder and lightning locally in the south-east of England. Rain was also experienced over a considerable portion of the Continent, as much as 47mm. at Wisby, 49mm. at Trieste, and 29mm. at Warsaw. Temperature rose to 310°A in central Algeria, to 303°A at Athens and Berlin, and to about 300°A over a large area on the Continent generally, as far north as Stockholm. In the north of these Islands the maxima were below 288°A, and below 294°A in the most southern districts.



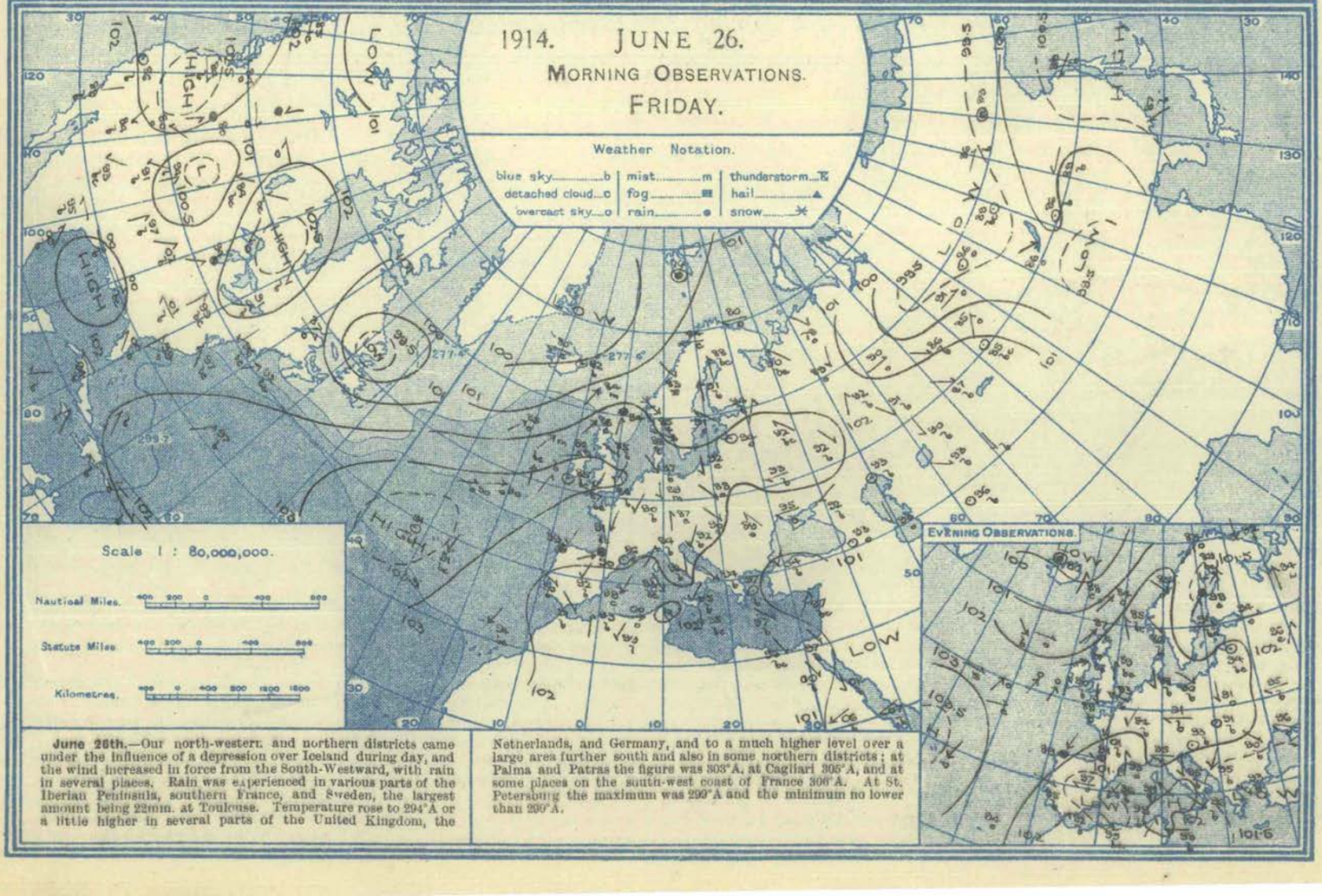

**June 23rd.**—The depression over the North Sea became less pronounced during day, but little change occurred in the general distribution of pressure. Temperature remained below 291°A over the greater part of the United Kingdom and the Netherlands, but exceeded 295°A on the Continent generally, and rose to 300°A at St. Petersburg. At Cagliari the maximum was 304°A and at Laghouat 310°A. Thunderstorms occurred over the east of England and in the north-east of France; at Margate the rain was 27mm. Rain fell over a large area in central and northern Europe, as well as locally in Russia and Spain; 15mm. at Charleville, 17mm. at Groningen, and 22mm. at Kieff. At Malaga the heavy amount of 77mm. was reported. A good deal of sea fog was experienced at the Scilly Islands.



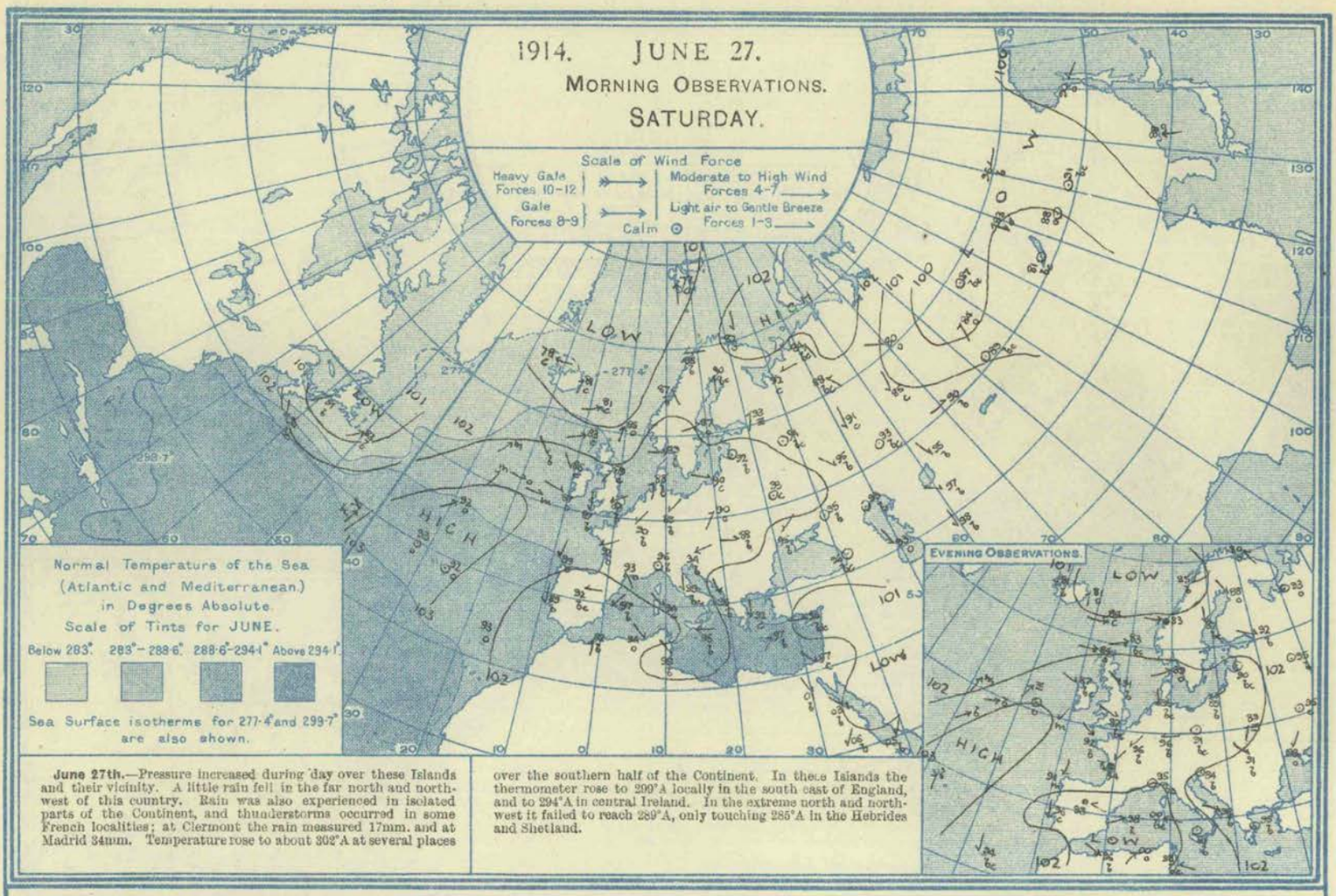

**June 24th.**—Pressure increased somewhat over the United Kingdom and its neighbourhood during day, and a depression over the North Sea passed away eastward. Thunderstorms were experienced in Central Europe and thunder was heard on the east coast of England. A little rain fell in the far west and north of these Islands and larger amounts in various parts of the Spanish Peninsula, Switzerland, Germany, and Scandinavia. Fog became more general over the western half of the Channel. Temperature rose to about 294°A in the south of England and the north of France, and to a higher figure over a large portion of the Continent. At St. Petersburg it touched 303°A, in Greece and at Palma 304°A, and at Cagliari 305°A. At Laghouat the maximum was as high as 314°A.




**June 25th.**—The anticyclone continued to extend in a north-easterly direction during day, but pressure decreased over the Spanish Peninsula and the adjacent portion of Africa. Temperature rose to 290°A in London and a few other localities in southern England, and to above 297°A over a large area in this country. In central Europe readings above 295°A were common, while in the southern countries and in Russia many places reported maxima above 300°A. At St. Petersburg the figure was 304°A, at Palma and Cagliari 305°A, and at Cette 306°A. In central Algeria, at Biskra, there was again a reading of 314°A. Fog was still prevalent on various parts of the south-west coasts of these Islands, and local mist elsewhere. Rain fell in central Europe and Norway, the largest amounts being 12mm. at Hermanstadt and 13mm. at Lemberg.

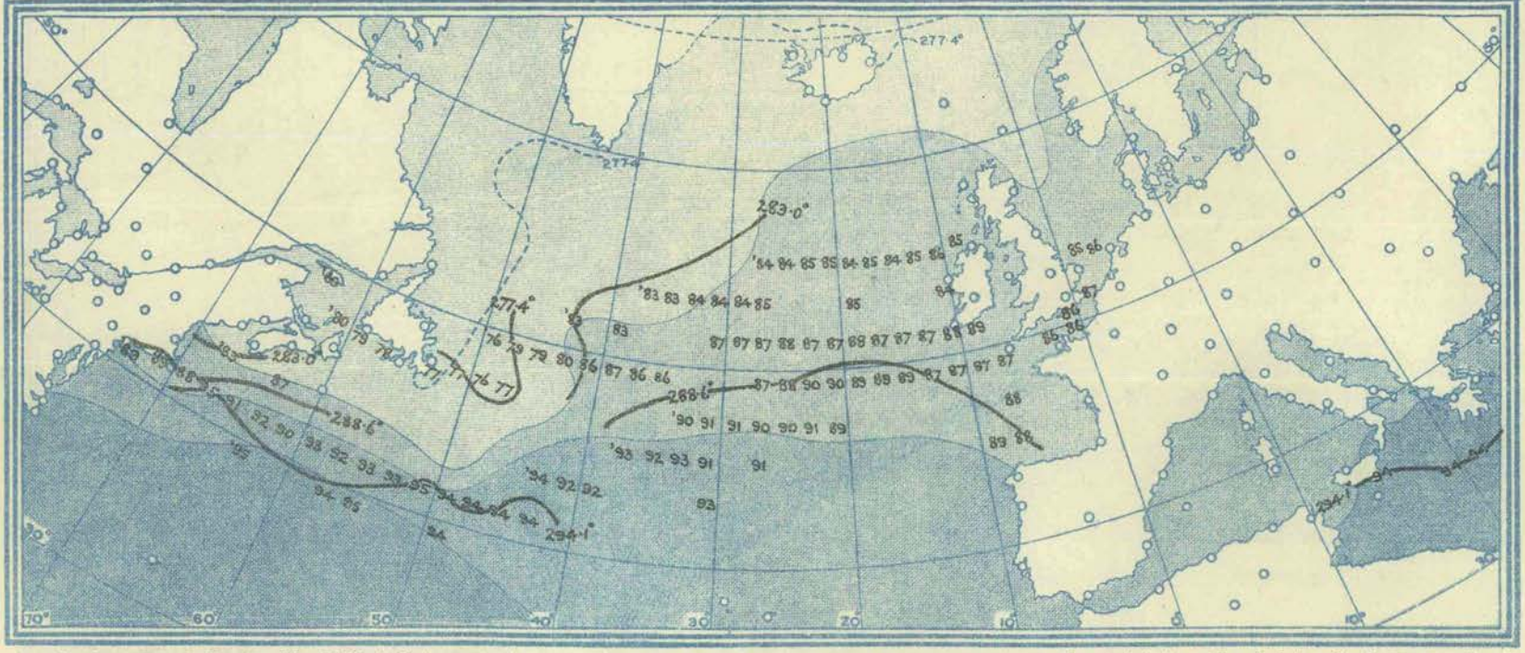



**June 26th.**—Our north-western and northern districts came under the influence of a depression over Iceland during day, and the wind increased in force from the South-Westward, with rain in several places. Rain was experienced in various parts of the Iberian Peninsula, southern France, and Sweden, the largest amount being 22mm. at Toulouse. Temperature rose to 294°A or a little higher in several parts of the United Kingdom, the Netherlands, and Germany, and to a much higher level over a large area further south and also in some northern districts; at Palma and Patras the figure was 303°A, at Cagliari 305°A, and at some places on the south-west coast of France 306°A. At St. Petersburg the maximum was 299°A and the minimum no lower than 290°A.




**June 27th.**—Pressure increased during day over these Islands and their vicinity. A little rain fell in the far north and north-west of this country. Rain was also experienced in isolated parts of the Continent, and thunderstorms occurred in some French localities; at Clermont the rain measured 17mm. and at Madrid 34mm. Temperature rose to about 302°A at several places over the southern half of the Continent. In these Islands the thermometer rose to 299°A locally in the south east of England, and to 294°A in central Ireland. In the extreme north and north-west it failed to reach 289°A, only touching 285°A in the Hebrides and Shetland.

## SURFACE TEMPERATURE of the SEA during the week ended Saturday, 27TH JUNE, 1914.

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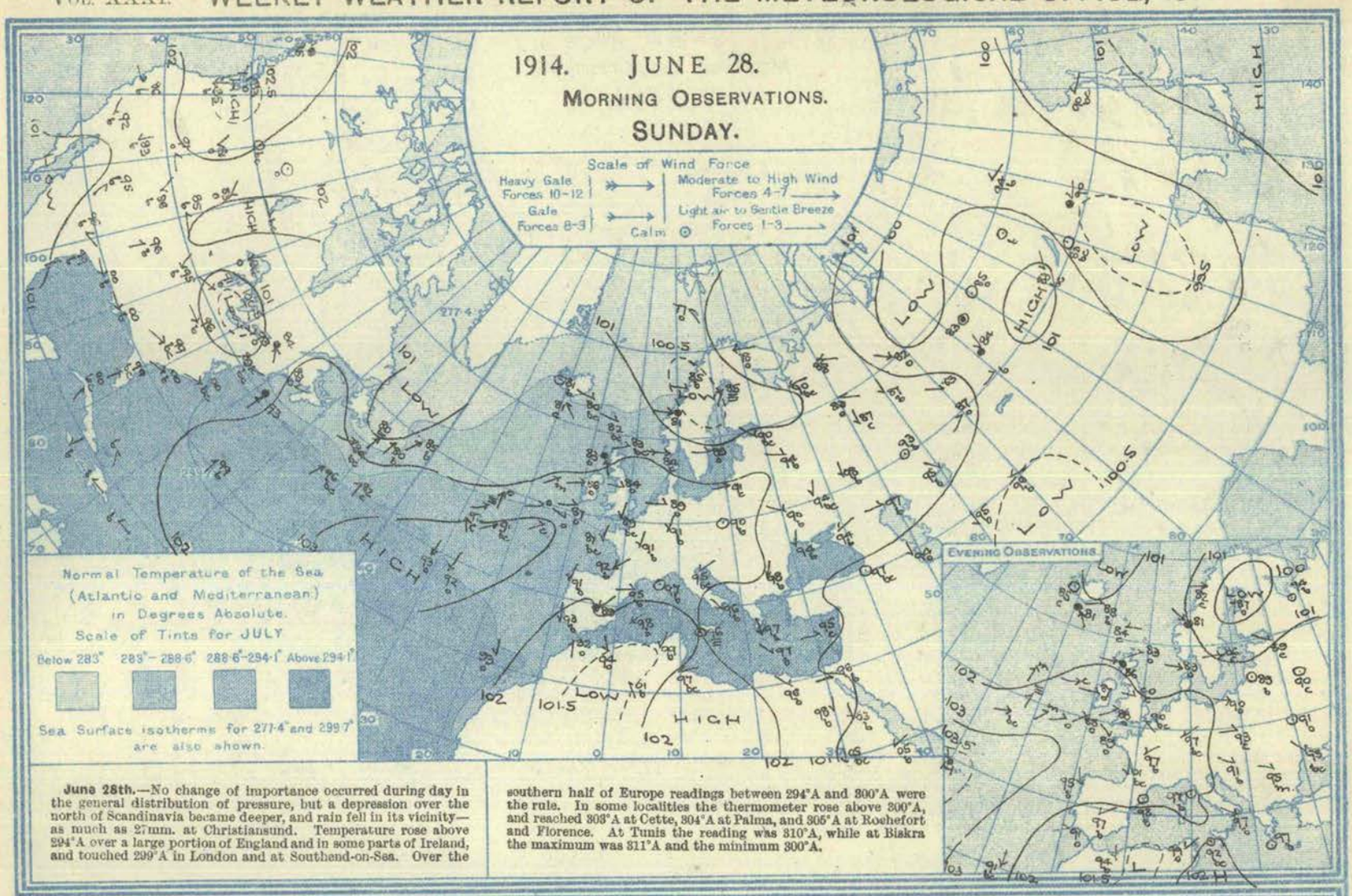
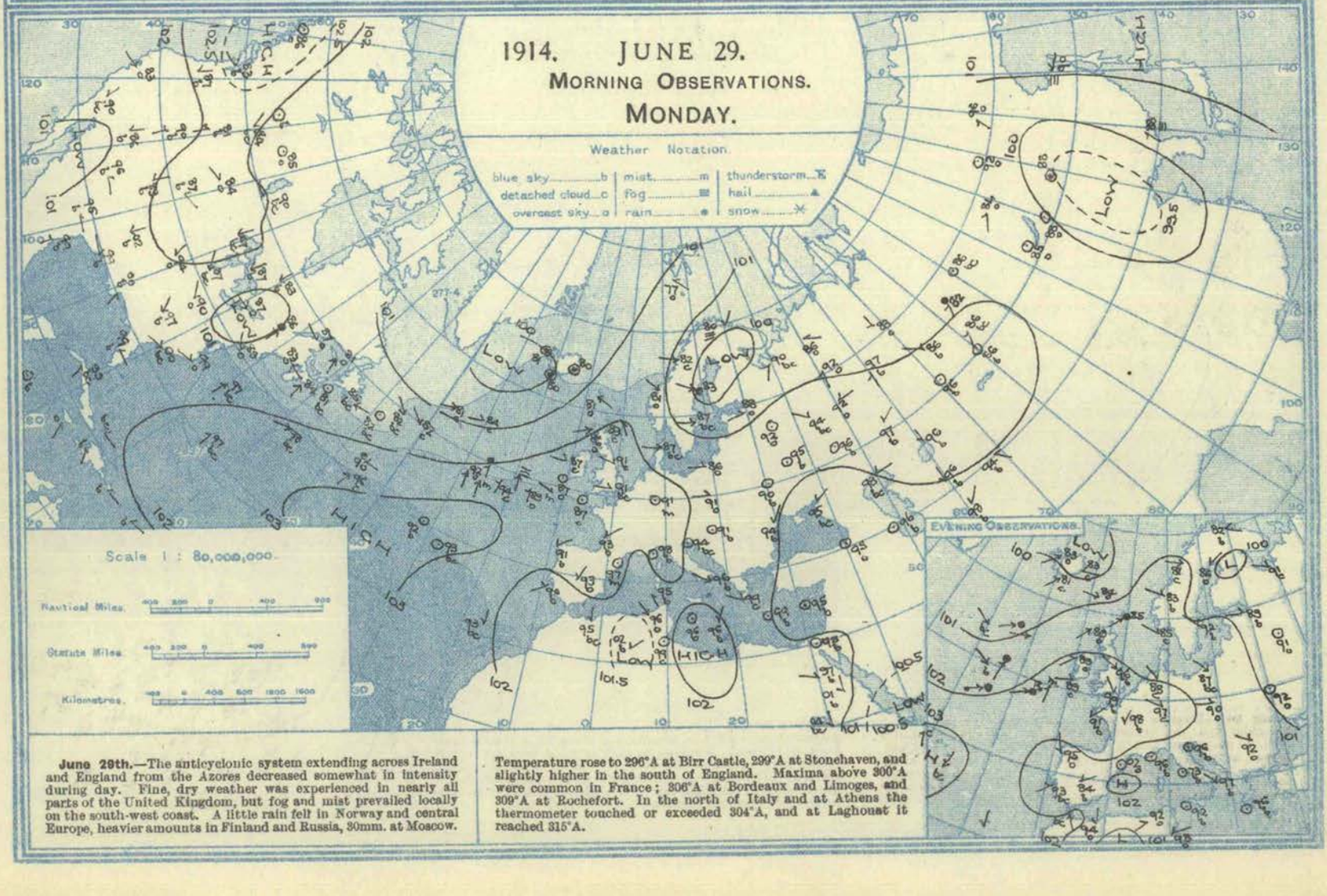
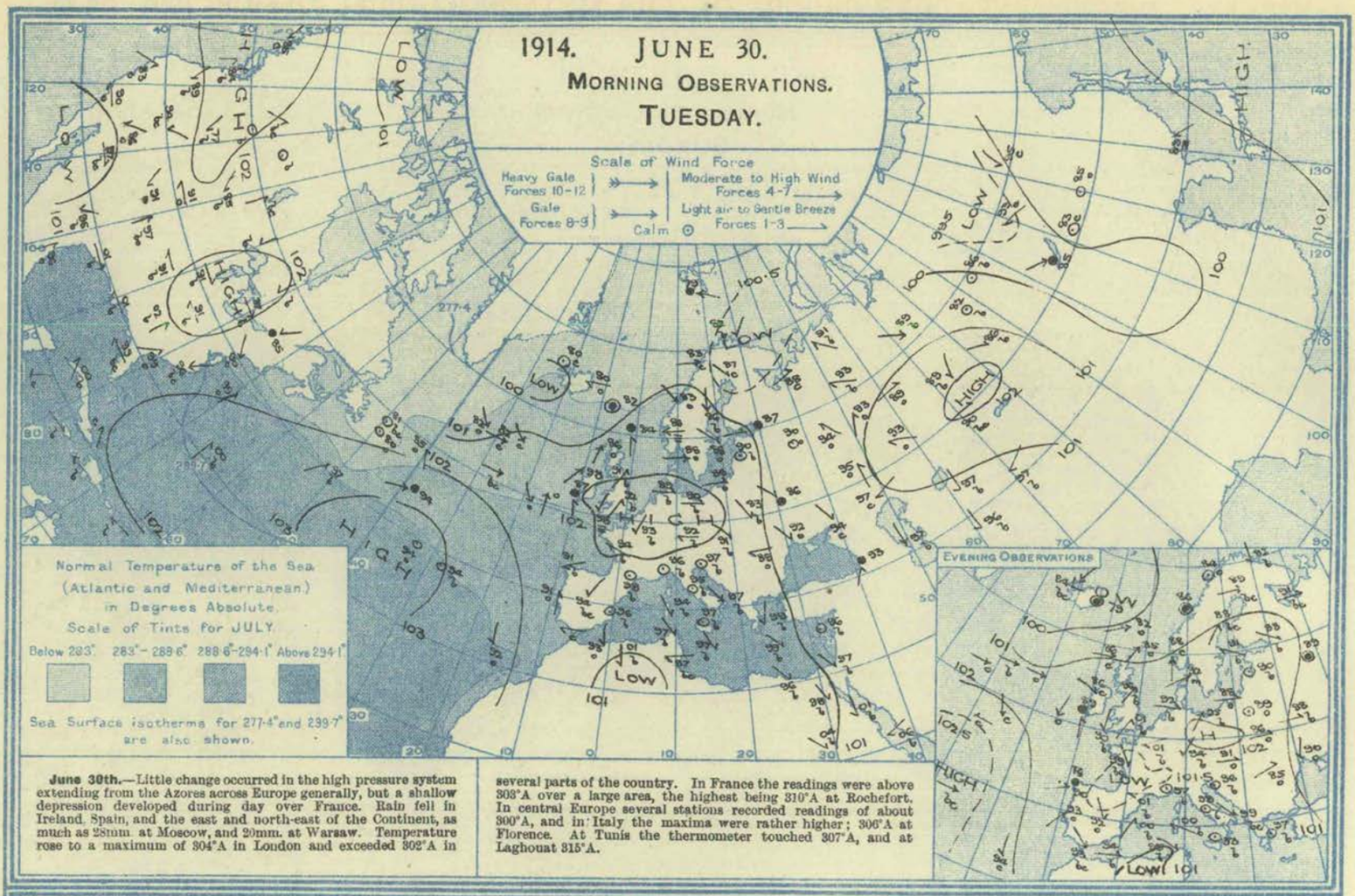



**June 28th.**—No change of importance occurred during day in the general distribution of pressure, but a depression over the north of Scandinavia became deeper, and rain fell in its vicinity—as much as 27mm. at Christiansund. Temperature rose above 294°A over a large portion of England and in some parts of Ireland, and touched 299°A in London and at Southend-on-Sea. Over the southern half of Europe readings between 294°A and 300°A were the rule. In some localities the thermometer rose above 300°A, and reached 303°A at Cette, 304°A at Palma, and 305°A at Rochefort and Florence. At Tunis the reading was 310°A, while at Biskra the maximum was 311°A and the minimum 300°A.

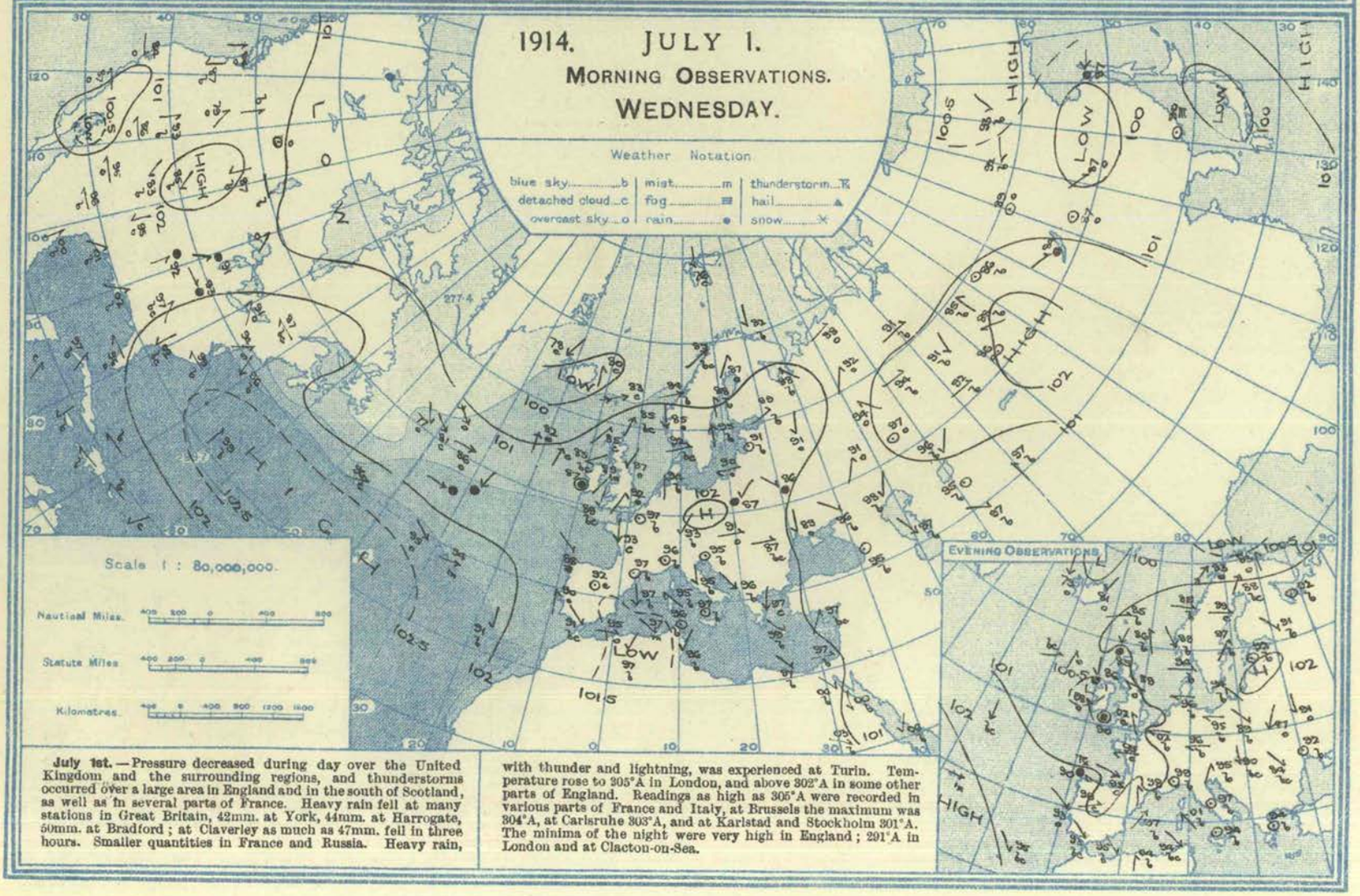



**June 29th.**—The anticyclonic system extending across Ireland and England from the Azores decreased somewhat in intensity during day. Fine, dry weather was experienced in nearly all parts of the United Kingdom, but fog and mist prevailed locally on the south-west coast. A little rain fell in Norway and central Europe, heavier amounts in Finland and Russia, 30mm. at Moscow.

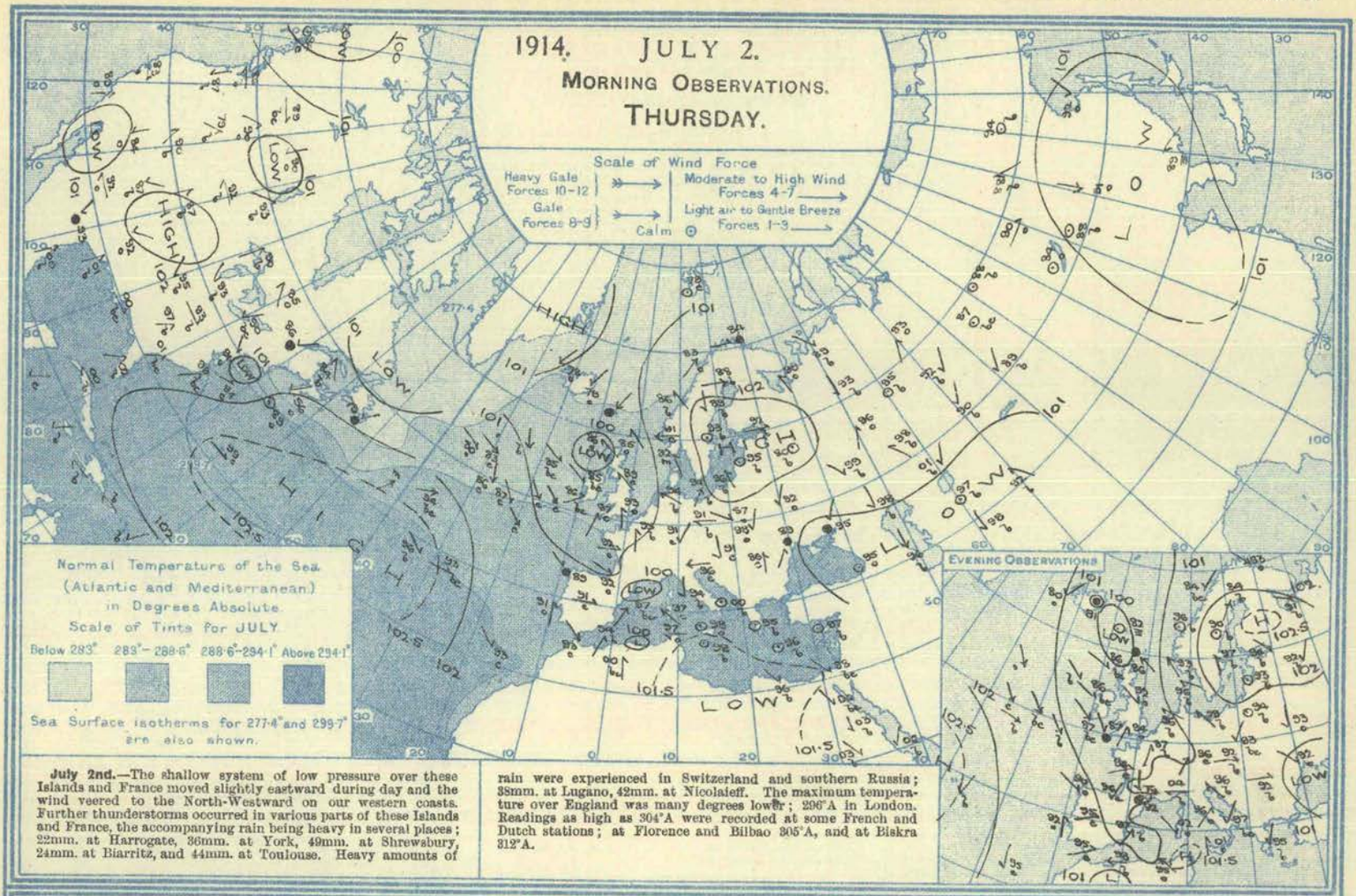
Temperature rose to 296°A at Birr Castle, 299°A at Stonehaven, and slightly higher in the south of England. Maxima above 300°A were common in France; 306°A at Bordeaux and Limoges, and 309°A at Rochefort. In the north of Italy and at Athens the thermometer touched or exceeded 304°A, and at Laghouat it reached 315°A.



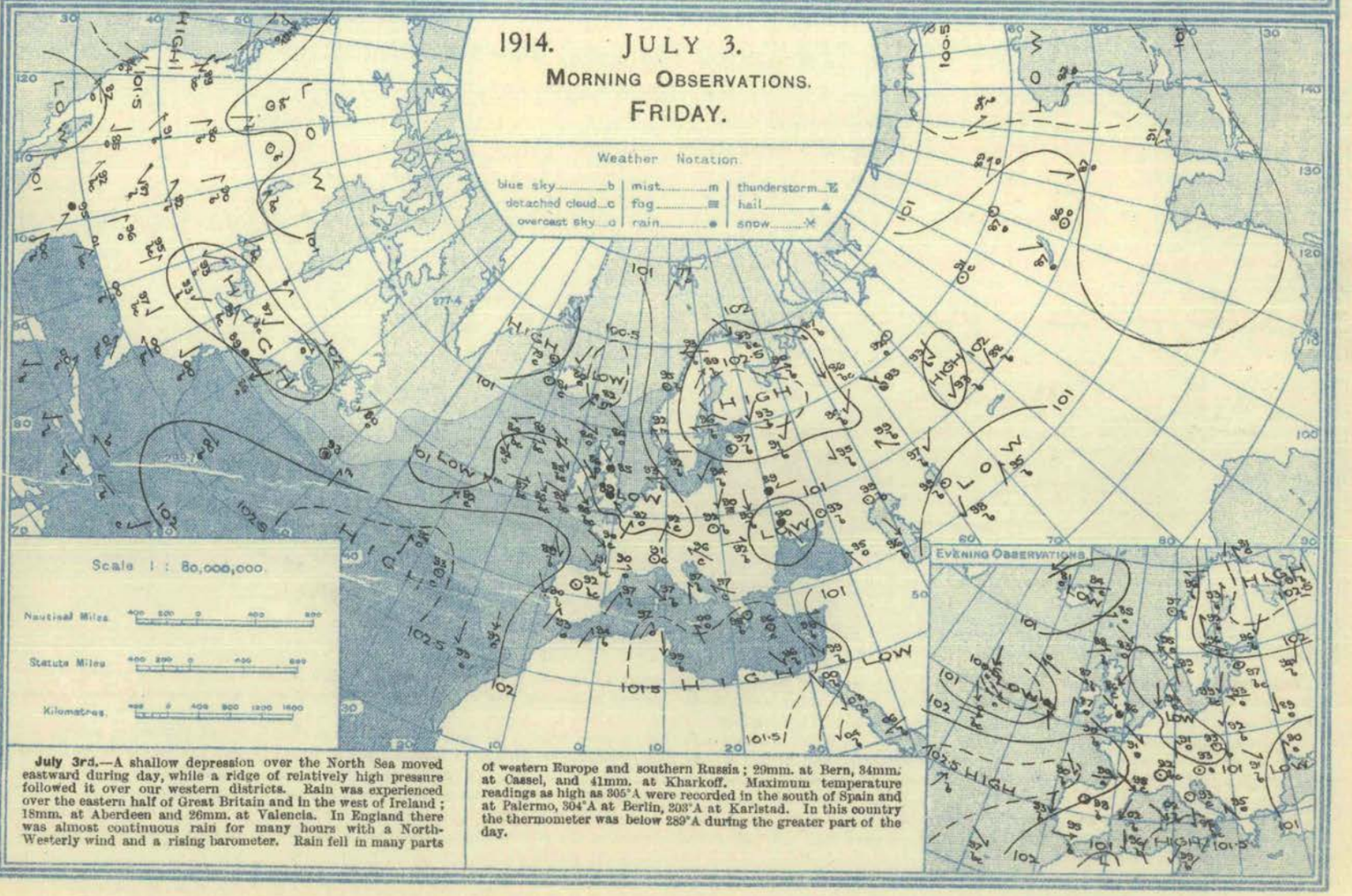

**June 30th.**—Little change occurred in the high pressure system extending from the Azores across Europe generally, but a shallow depression developed during day over France. Rain fell in Ireland, Spain, and the east and north-east of the Continent, as much as 28mm. at Moscow, and 20mm. at Warsaw. Temperature rose to a maximum of 304°A in London and exceeded 302°A in several parts of the country. In France the readings were above 303°A over a large area, the highest being 310°A at Rochefort. In central Europe several stations recorded readings of about 300°A, and in Italy the maxima were rather higher; 306°A at Florence. At Tunis the thermometer touched 307°A, and at Laghouat 315°A.



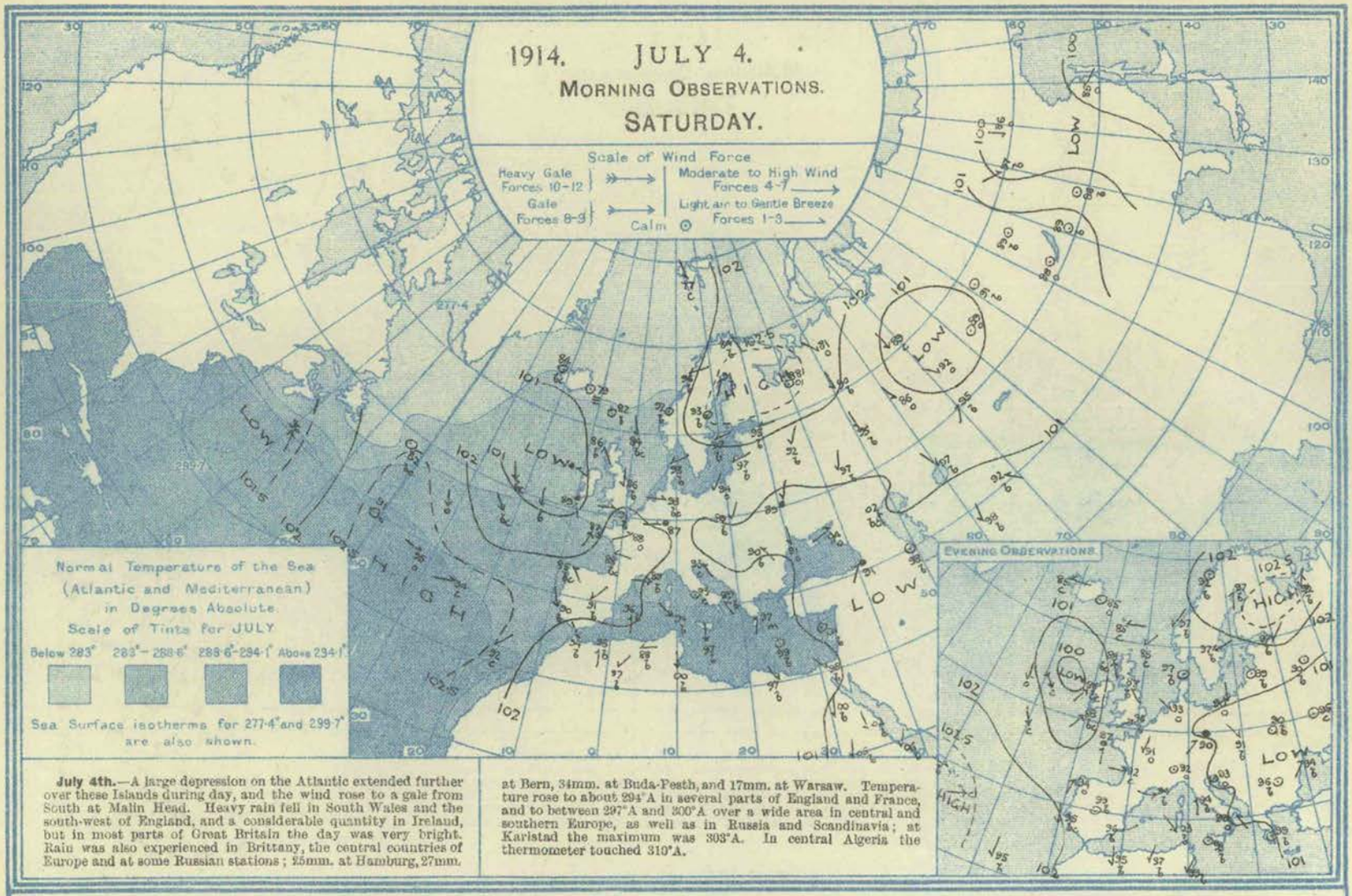

**July 1st.**—Pressure decreased during day over the United Kingdom and the surrounding regions, and thunderstorms occurred over a large area in England and in the south of Scotland, as well as in several parts of France. Heavy rain fell at many stations in Great Britain, 42mm. at York, 44mm. at Harrogate, 50mm. at Bradford; at Claverley as much as 47mm. fell in three hours. Smaller quantities in France and Russia. Heavy rain, with thunder and lightning, was experienced at Turin. Temperature rose to 305°A in London, and above 302°A in some other parts of England. Readings as high as 305°A were recorded in various parts of France and Italy, at Brussels the maximum was 304°A, at Carlsruhe 303°A, and at Karlstad and Stockholm 301°A. The minima of the night were very high in England; 291°A in London and at Clacton-on-Sea.




**July 2nd.**—The shallow system of low pressure over these Islands and France moved slightly eastward during day and the wind veered to the North-Westward on our western coasts. Further thunderstorms occurred in various parts of these Islands and France, the accompanying rain being heavy in several places; 22mm. at Harrogate, 36mm. at York, 49mm. at Shrewsbury, 24mm. at Biarritz, and 44mm. at Toulouse. Heavy amounts of rain were experienced in Switzerland and southern Russia; 38mm. at Lugano, 42mm. at Nicolaieff. The maximum temperature over England was many degrees lower; 296°A in London. Readings as high as 304°A were recorded at some French and Dutch stations; at Florence and Bilbao 305°A, and at Biskra 312°A.

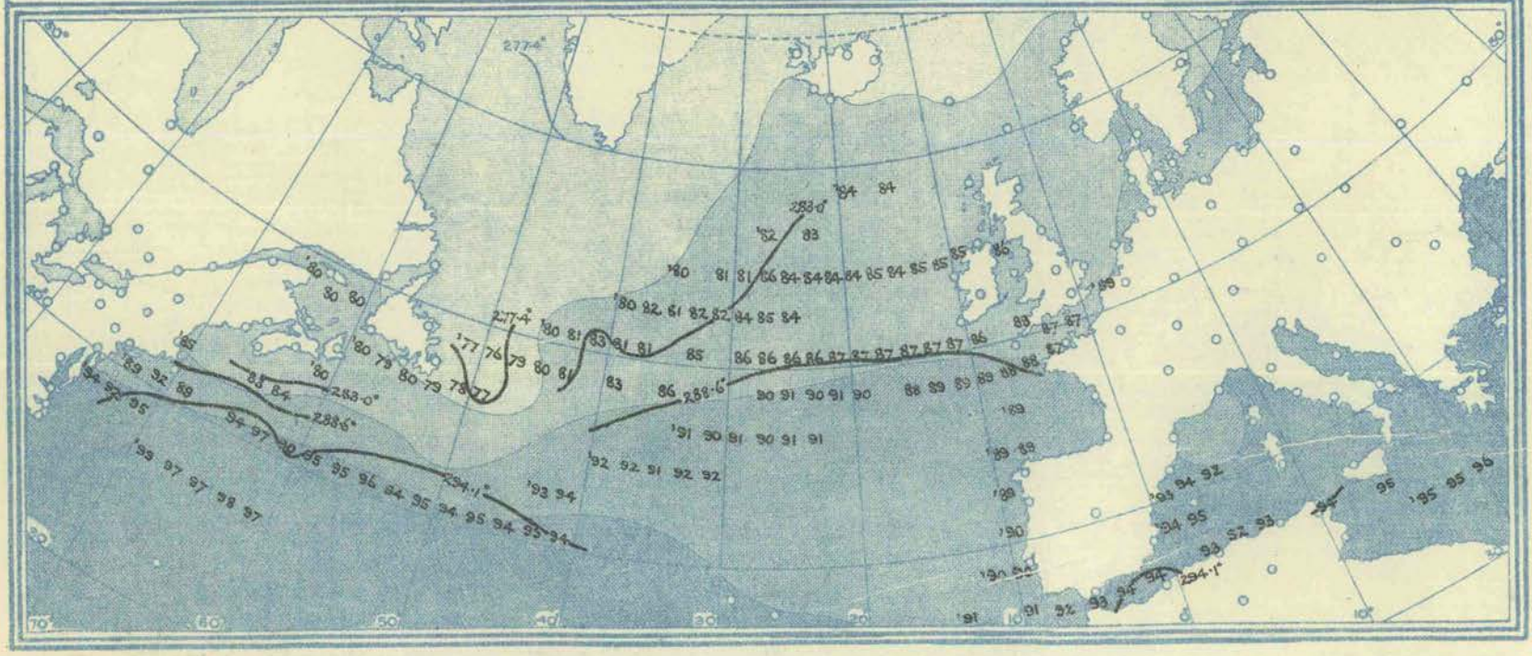



**July 3rd.**—A shallow depression over the North Sea moved eastward during day, while a ridge of relatively high pressure followed it over our western districts. Rain was experienced over the eastern half of Great Britain and in the west of Ireland; 18mm. at Aberdeen and 26mm. at Valencia. In England there was almost continuous rain for many hours with a North-Westerly wind and a rising barometer. Rain fell in many parts of western Europe and southern Russia; 29mm. at Bern, 34mm. at Cassel, and 41mm. at Kharkoff. Maximum temperature readings as high as 305°A were recorded in the south of Spain and at Palermo, 304°A at Berlin, 303°A at Karlstad. In this country the thermometer was below 289°A during the greater part of the day.




**July 4th.**—A large depression on the Atlantic extended further over these Islands during day, and the wind rose to a gale from South at Malin Head. Heavy rain fell in South Wales and the south-west of England, and a considerable quantity in Ireland, but in most parts of Great Britain the day was very bright. Rain was also experienced in Brittany, the central countries of Europe and at some Russian stations; 25mm. at Hamburg, 27mm. at Bern, 34mm. at Buda-Pesth, and 17mm. at Warsaw. Temperature rose to about 294°A in several parts of England and France, and to between 297°A and 300°A over a wide area in central and southern Europe, as well as in Russia and Scandinavia; at Karlstad the maximum was 303°A. In central Algeria the thermometer touched 310°A.

## SURFACE TEMPERATURE of the SEA during the week ended Saturday, 4TH JULY, 1914.

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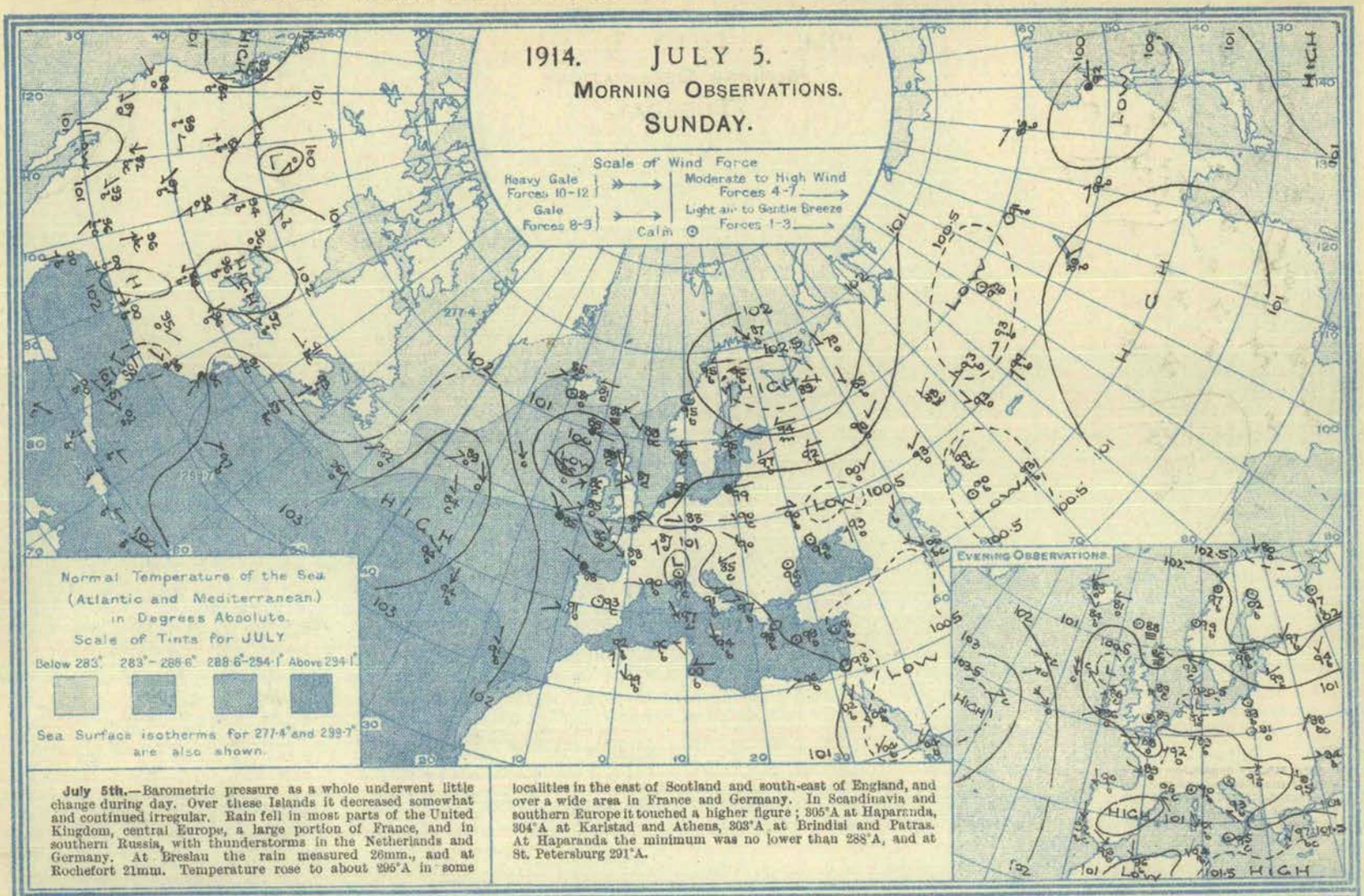
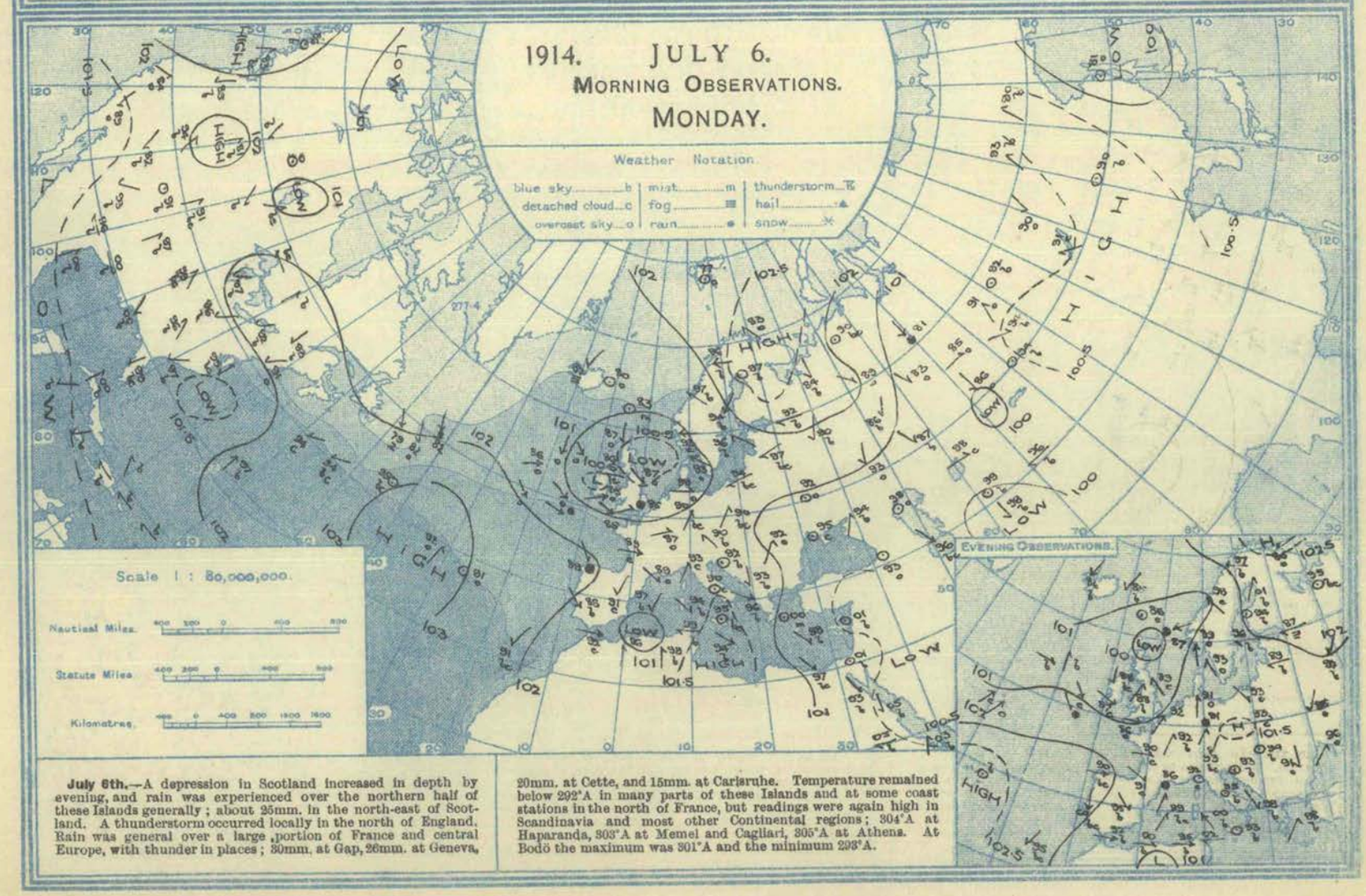
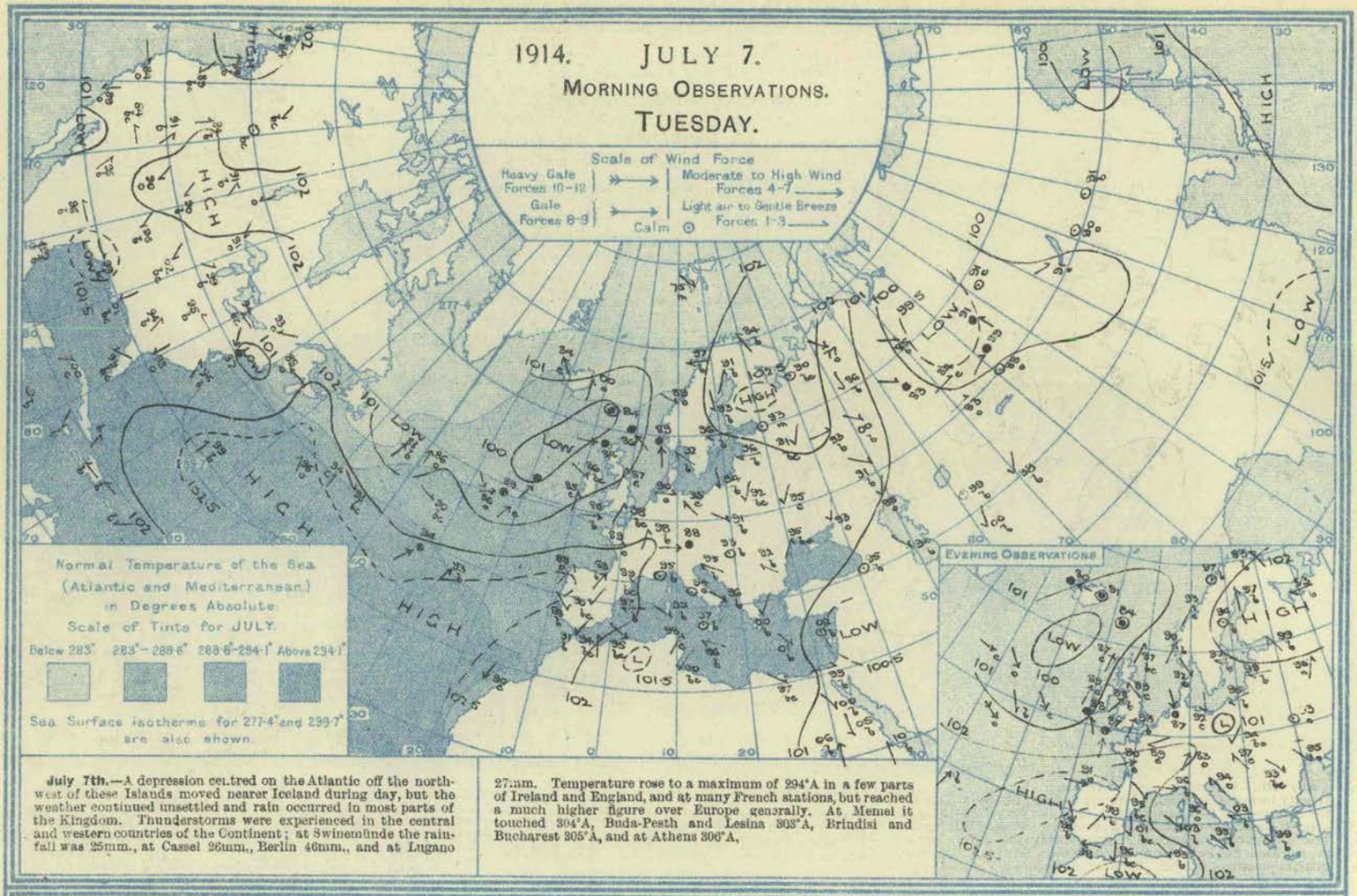


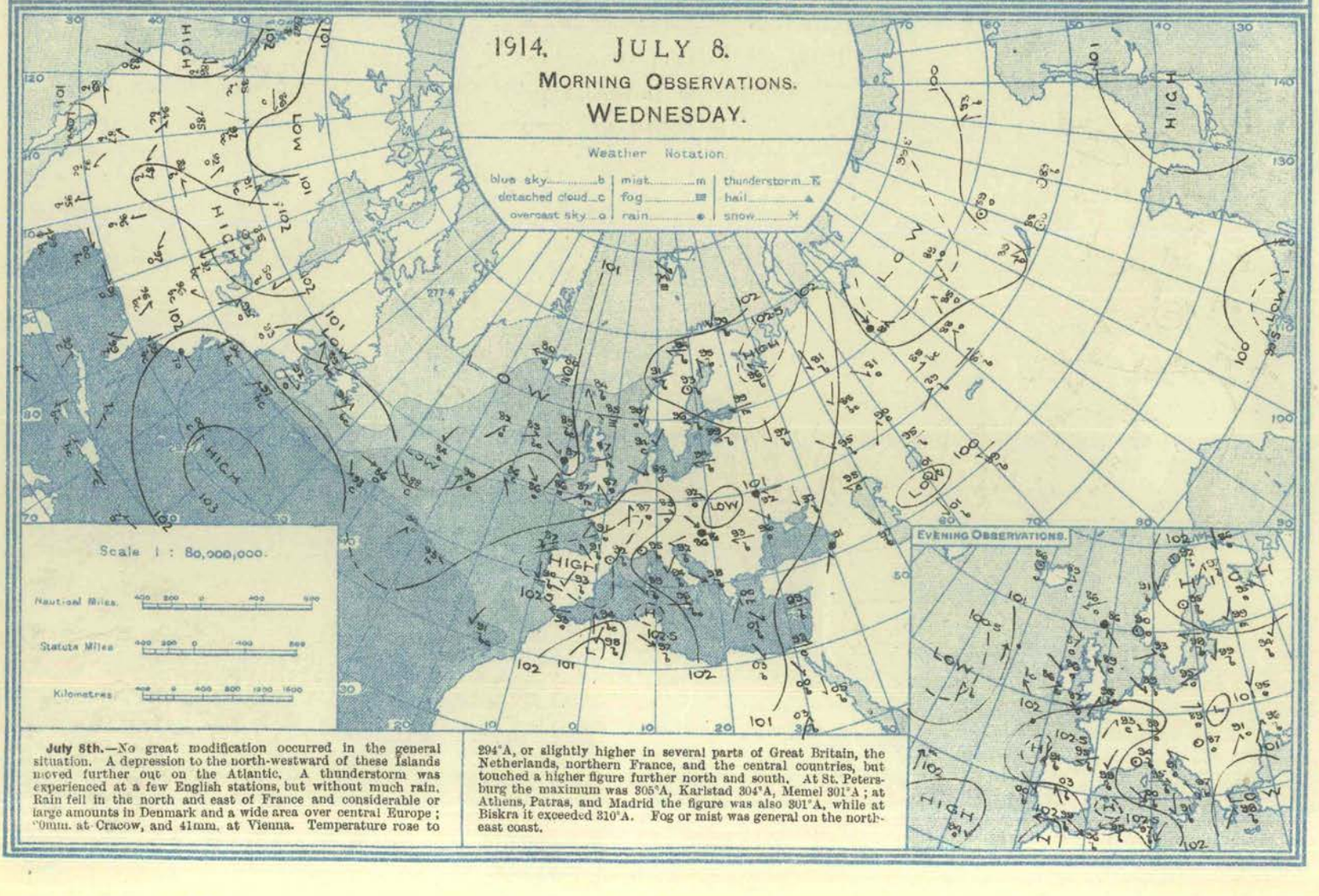

**July 5th.**—Barometric pressure as a whole underwent little change during day. Over these Islands it decreased somewhat and continued irregular. Rain fell in most parts of the United Kingdom, central Europe, a large portion of France, and in southern Russia, with thunderstorms in the Netherlands and Germany. At Breslau the rain measured 26mm., and at Rochefort 21mm. Temperature rose to about 295°A in some localities in the east of Scotland and south-east of England, and over a wide area in France and Germany. In Scandinavia and southern Europe it touched a higher figure; 305°A at Haparanda, 304°A at Karlstad and Athens, 303°A at Brindisi and Patras. At Haparanda the minimum was no lower than 288°A, and at St. Petersburg 291°A.



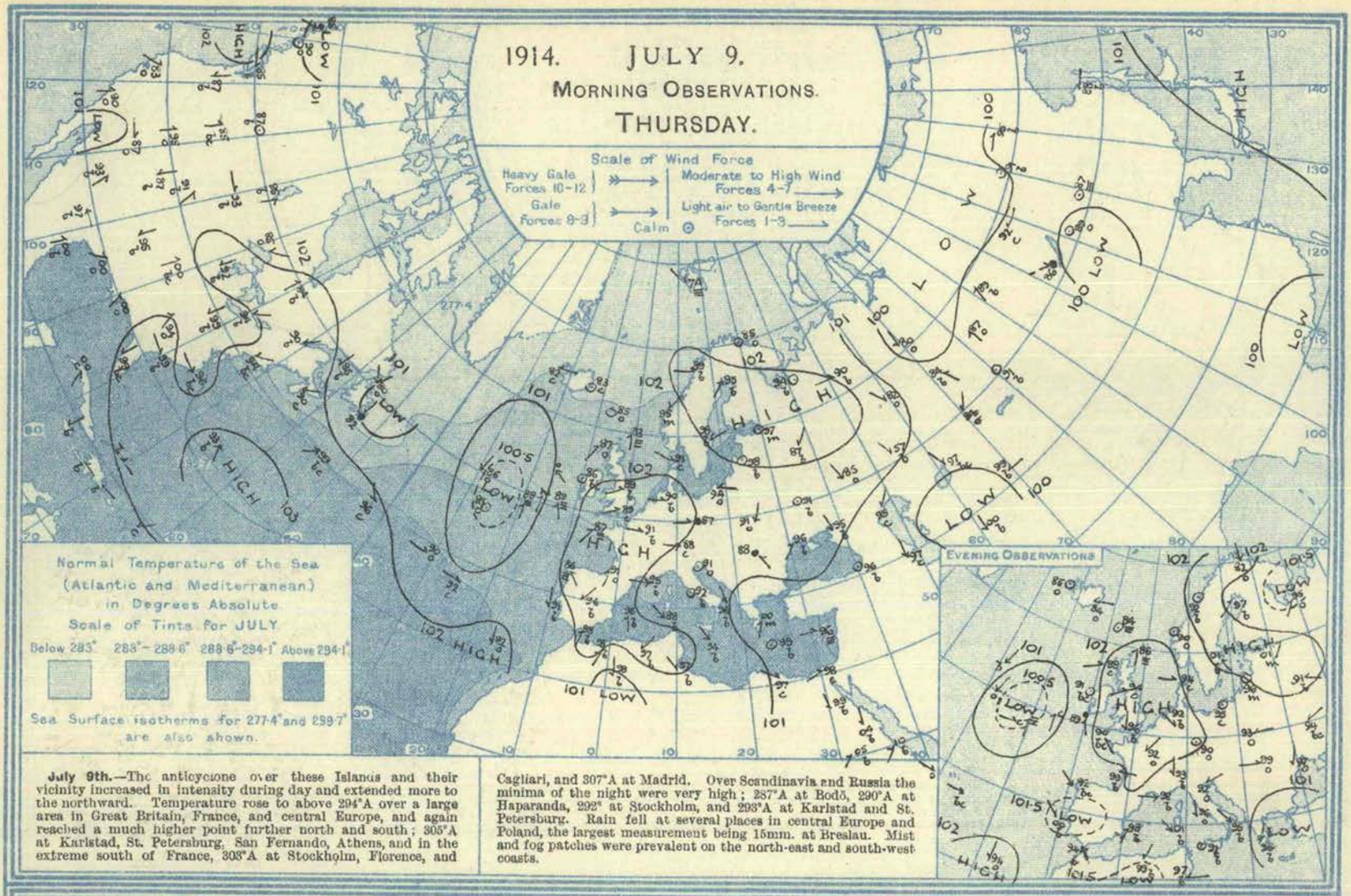

**July 6th.**—A depression in Scotland increased in depth by evening, and rain was experienced over the northern half of these Islands generally; about 25mm. in the north-east of Scotland. A thunderstorm occurred locally in the north of England. Rain was general over a large portion of France and central Europe, with thunder in places; 30mm. at Gap, 26mm. at Geneva, 20mm. at Cette, and 15mm. at Carlsruhe. Temperature remained below 292°A in many parts of these Islands and at some coast stations in the north of France, but readings were again high in Scandinavia and most other Continental regions; 304°A at Haparanda, 303°A at Memel and Cagliari, 305°A at Athens. At Bodö the maximum was 301°A and the minimum 293°A.



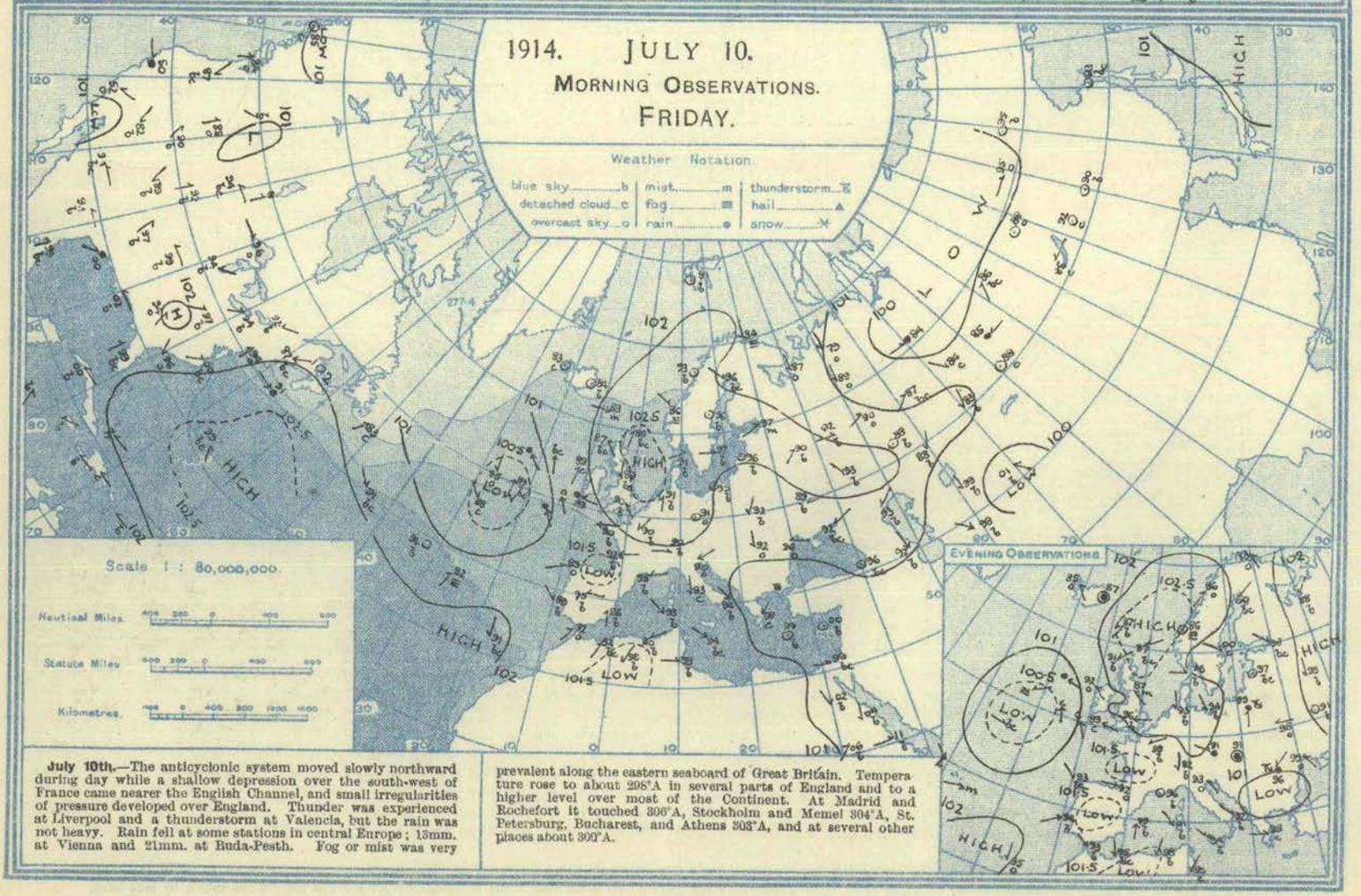

**July 7th.**—A depression centred on the Atlantic off the north-west of these Islands moved nearer Iceland during day, but the weather continued unsettled and rain occurred in most parts of the Kingdom. Thunderstorms were experienced in the central and western countries of the Continent; at Swinemünde the rainfall was 25mm., at Cassel 26mm., Berlin 46mm., and at Lugano 27mm. Temperature rose to a maximum of 294°A in a few parts of Ireland and England, and at many French stations, but reached a much higher figure over Europe generally. At Memel it touched 304°A, Buda-Pesth and Lesina 303°A, Brindisi and Bucharest 305°A, and at Athens 306°A.



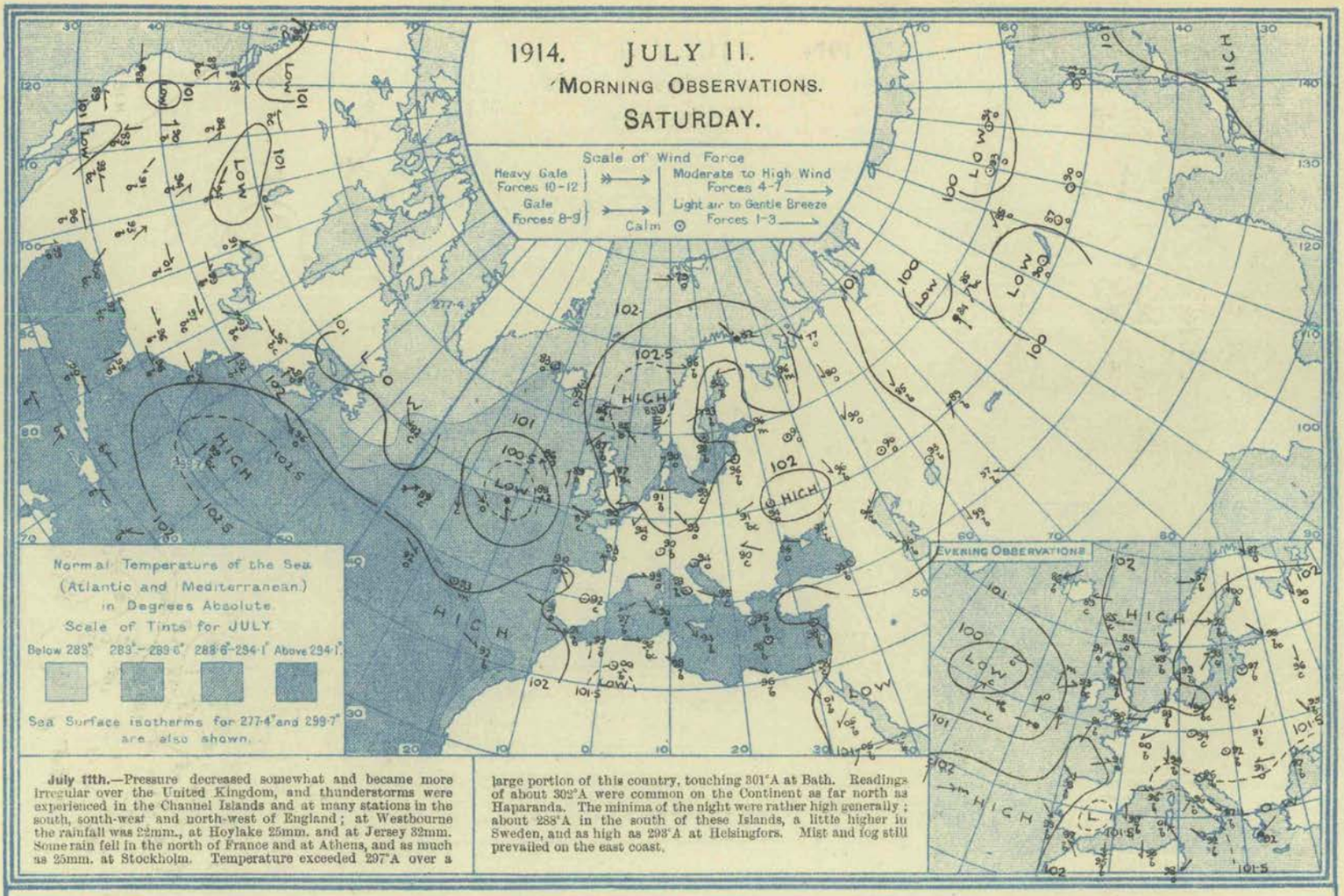

**July 8th.**—No great modification occurred in the general situation. A depression to the north-westward of these Islands moved further out on the Atlantic. A thunderstorm was experienced at a few English stations, but without much rain. Rain fell in the north and east of France and considerable or large amounts in Denmark and a wide area over central Europe; 70mm. at Cracow, and 41mm. at Vienna. Temperature rose to 294°A, or slightly higher in several parts of Great Britain, the Netherlands, northern France, and the central countries, but touched a higher figure further north and south. At St. Petersburg the maximum was 305°A, Karlstad 304°A, Memel 301°A; at Athens, Patras, and Madrid the figure was also 301°A, while at Biskra it exceeded 310°A. Fog or mist was general on the north-east coast.




**July 9th.**—The anticyclone over these Islands and their vicinity increased in intensity during day and extended more to the northward. Temperature rose to above 294°A over a large area in Great Britain, France, and central Europe, and again reached a much higher point further north and south; 305°A at Karlstad, St. Petersburg, San Fernando, Athens, and in the extreme south of France, 303°A at Stockholm, Florence, and Cagliari, and 307°A at Madrid. Over Scandinavia and Russia the minima of the night were very high; 287°A at Bodö, 290°A at Haparanda, 292° at Stockholm, and 293°A at Karlstad and St. Petersburg. Rain fell at several places in central Europe and Poland, the largest measurement being 15mm. at Breslau. Mist and fog patches were prevalent on the north-east and south-west coasts.

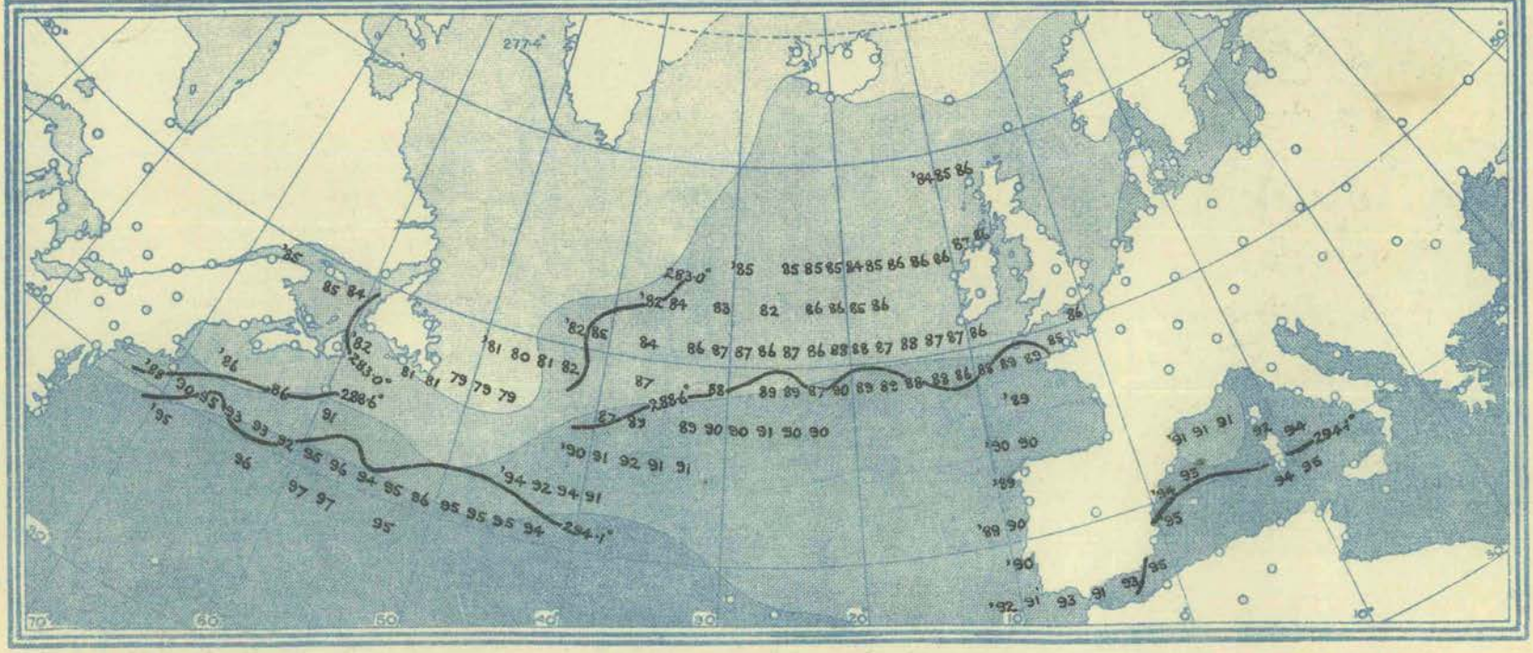



**July 10th.**—The anticyclonic system moved slowly northward during day while a shallow depression over the south-west of France came nearer the English Channel, and small irregularities of pressure developed over England. Thunder was experienced at Liverpool and a thunderstorm at Valencia, but the rain was not heavy. Rain fell at some stations in central Europe; 13mm. at Vienna and 21mm. at Buda-Pesth. Fog or mist was very prevalent along the eastern seaboard of Great Britain. Temperature rose to about 298°A in several parts of England and to a higher level over most of the Continent. At Madrid and Rochefort it touched 306°A, Stockholm and Memel 304°A, St. Petersburg, Bucharest, and Athens 303°A, and at several other places about 300°A.




**July 11th.**—Pressure decreased somewhat and became more irregular over the United Kingdom, and thunderstorms were experienced in the Channel Islands and at many stations in the south, south-west and north-west of England; at Westbourne the rainfall was 22mm., at Hoylake 25mm. and at Jersey 32mm. Some rain fell in the north of France and at Athens, and as much as 25mm. at Stockholm. Temperature exceeded 297°A over a large portion of this country, touching 301°A at Bath. Readings of about 302°A were common on the Continent as far north as Haparanda. The minima of the night were rather high generally; about 288°A in the south of these Islands, a little higher in Sweden, and as high as 293°A at Helsingfors. Mist and fog still prevailed on the east coast.

## SURFACE TEMPERATURE of the SEA during the week ended Saturday, 11TH. JULY, 1914.

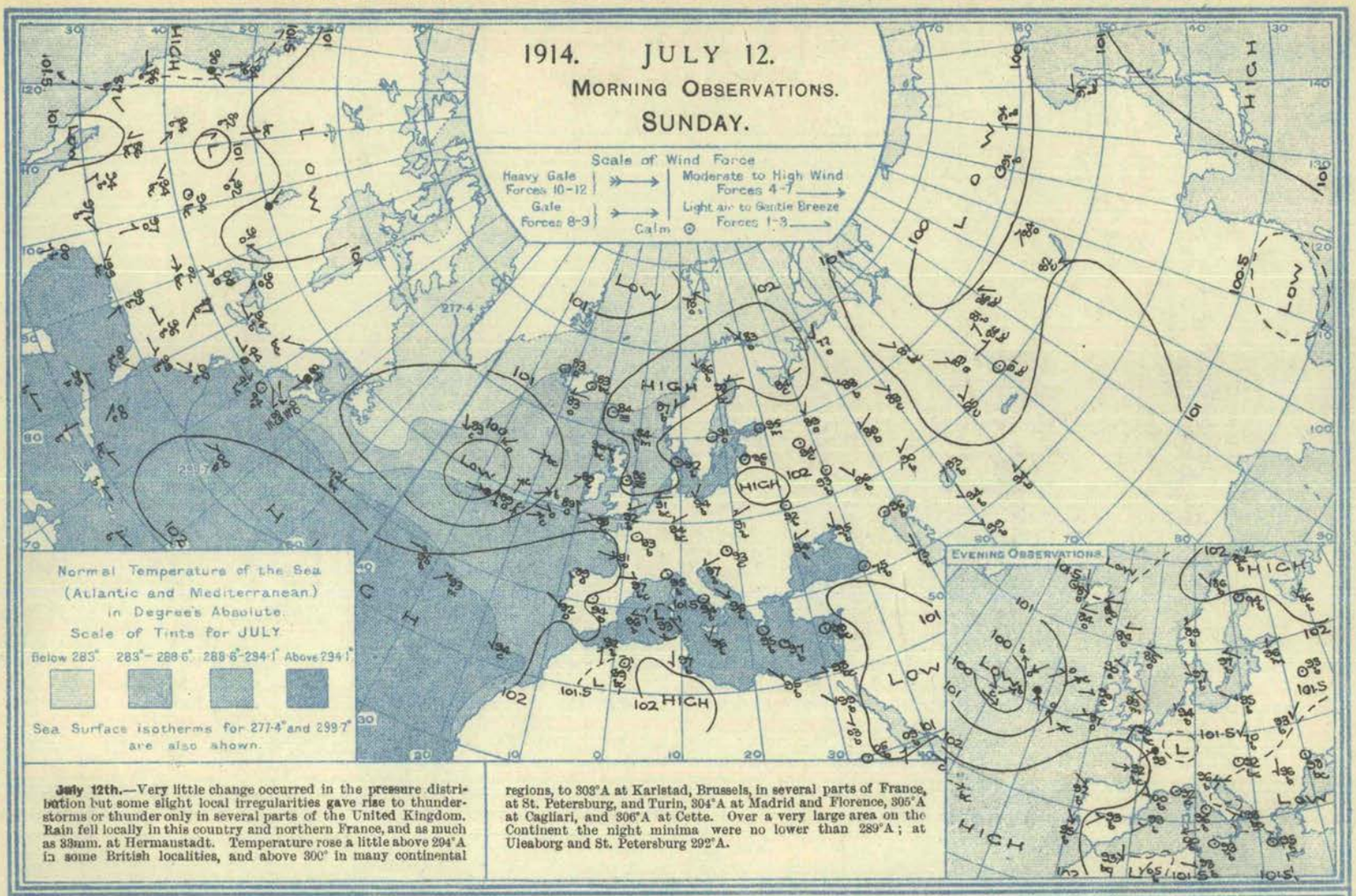



**Explanation of Charts.**—The height of the barometer is expressed by isobars, which are drawn for intervals of one centibar, the equivalent on the absolute scale of pressure units of 0·295 mercury inches. 1 centibar = 10 millibars. 100 centibars = 29·53 mercury inches = 750·1 mercury millimetres. The winds are shown by arrows which are drawn flying with the wind. Temperatures are given in degrees Absolute, freezing point = 273°, the initial 2 being omitted.

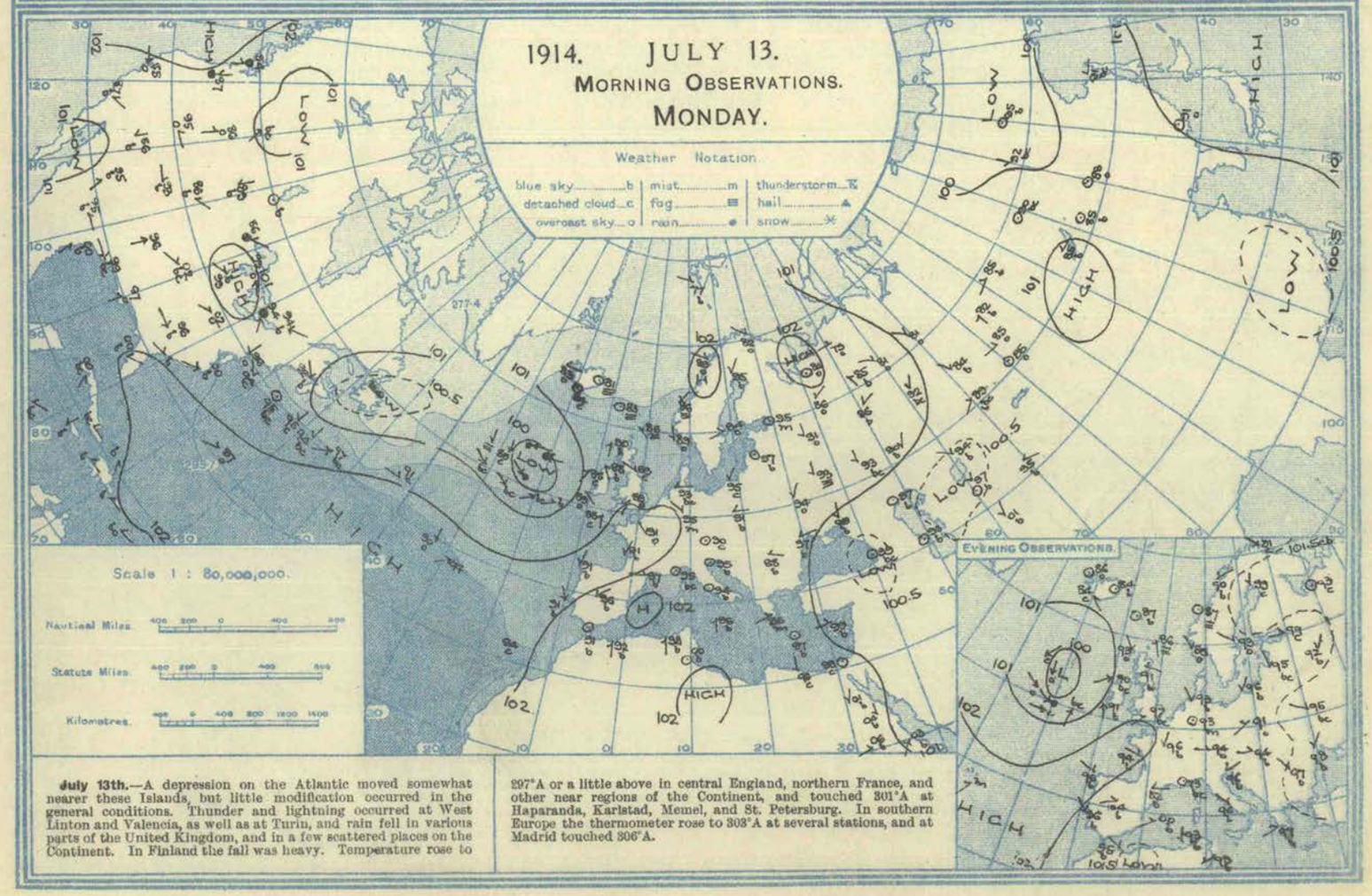
The charts are prepared from observations made at 7 a.m. in the British Islands, France, Italy, Belgium, Holland, Germany, Denmark, Norway, Sweden, Iceland, Spitzbergen, Madeira, and Algeria; at 6.30 a.m. in Switzerland; at 6 a.m. in Austria-Hungary and Egypt; at 5.25 a.m. in Greece; at 8.37 a.m. in Portugal; and at 8 a.m. in Spain and in the Azores. These times refer to Greenwich Mean Time. Observations in the Russian Empire, including Siberia, are taken at 7 a.m. local time. On the American Continent and at Bermuda the observations are taken at 8 a.m., mean time of Longitude 75° W., i.e., 1 p.m. G.M.T. "Wireless" observations from the Atlantic Ocean are taken at 7 a.m. G.M.T., others at 8 a.m. local time.

The evening charts are prepared from observations made at 6 p.m. in the British Islands, France, Germany, Holland, Belgium, Denmark and Norway; at 4 p.m. in Spain; at 5 p.m. in Iceland; at 6.25 p.m. in Greece; at 8 p.m. in Sweden, Switzerland, Italy and Austria-Hungary; and at 9.37 p.m. in Portugal and 9 p.m. in the Azores. In the Russian Empire (including Siberia) they are taken at 9 p.m. local time.

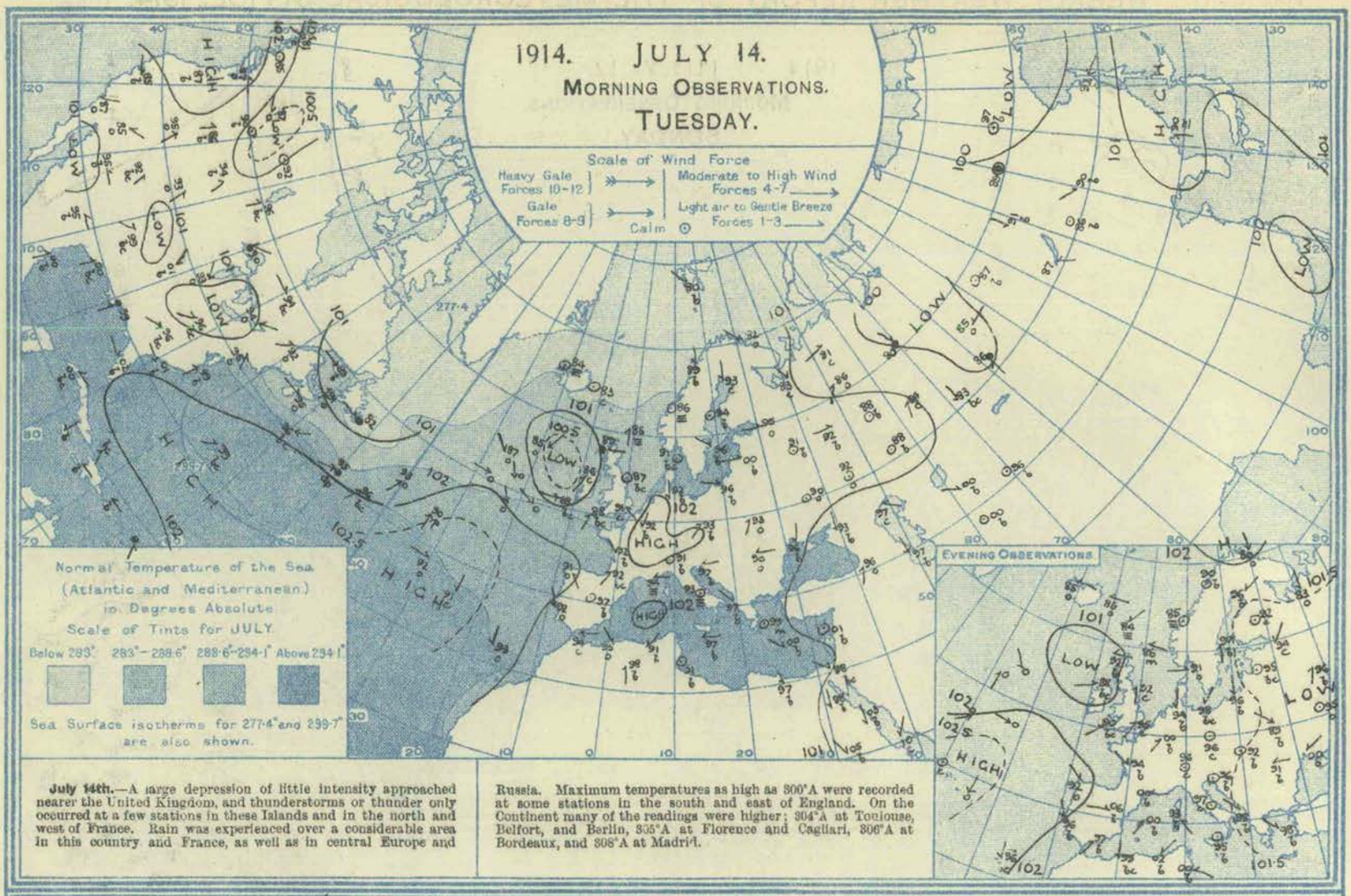
**Temperature of the Sea.**—The mean surface temperature of the sea, in degrees Absolute, observed during the week to which the report refers, is shown in black on the last chart. The normal temperature for the month is indicated by the intensity of the blue shading and the scale shown in an inset. The isotherms for 277·4°A and 299·7°A are shown by blue lines.



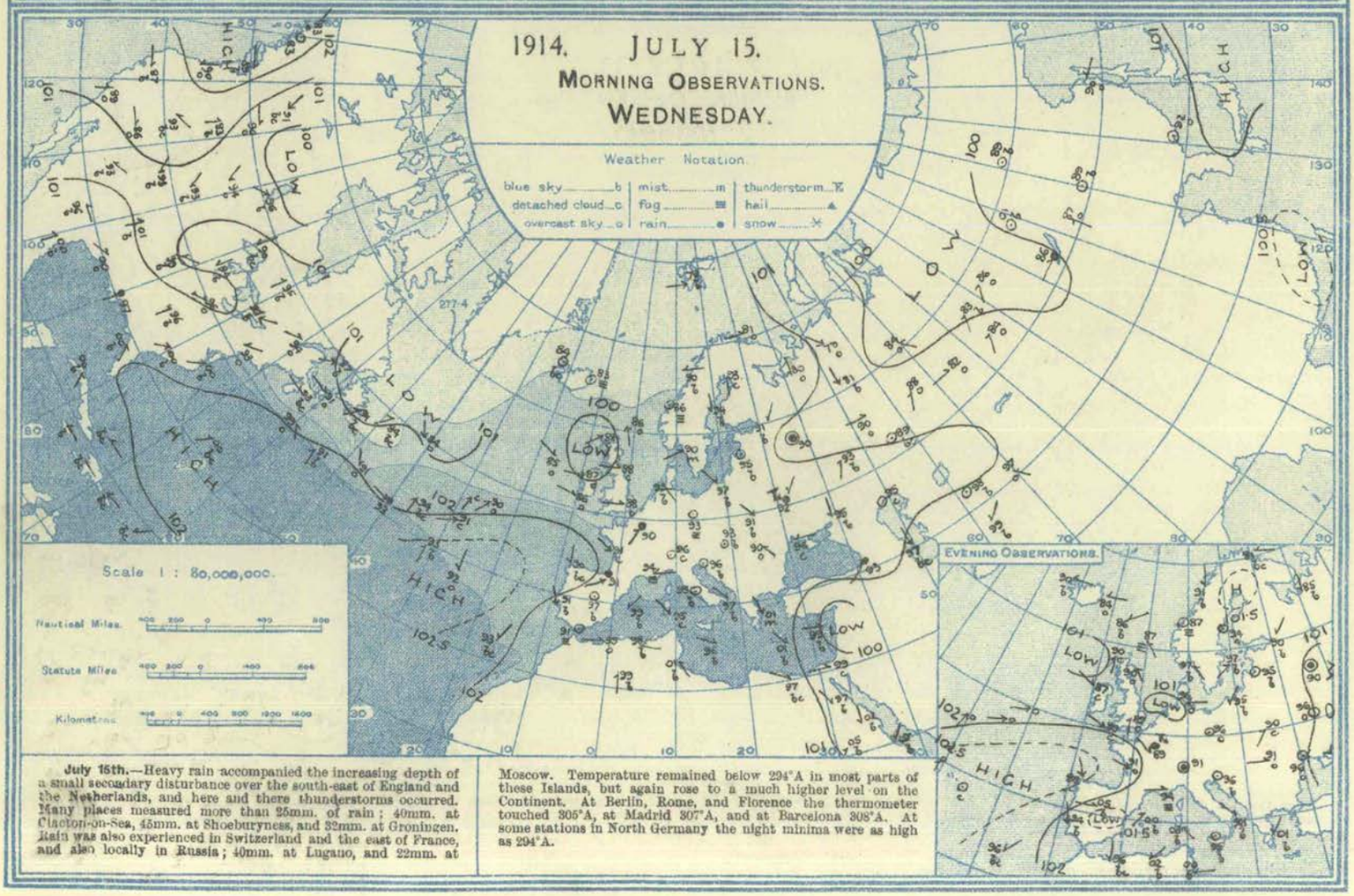

**July 12th.**—Very little change occurred in the pressure distribution but some slight local irregularities gave rise to thunderstorms or thunder only in several parts of the United Kingdom. Rain fell locally in this country and northern France, and as much as 33mm. at Hermanstadt. Temperature rose a little above 294°A in some British localities, and above 300° in many continental regions, to 303°A at Karlstad, Brussels, in several parts of France, at St. Petersburg, and Turin, 304°A at Madrid and Florence, 305°A at Cagliari, and 306°A at Cette. Over a very large area on the Continent the night minima were no lower than 289°A; at Ulcaborg and St. Petersburg 292°A.



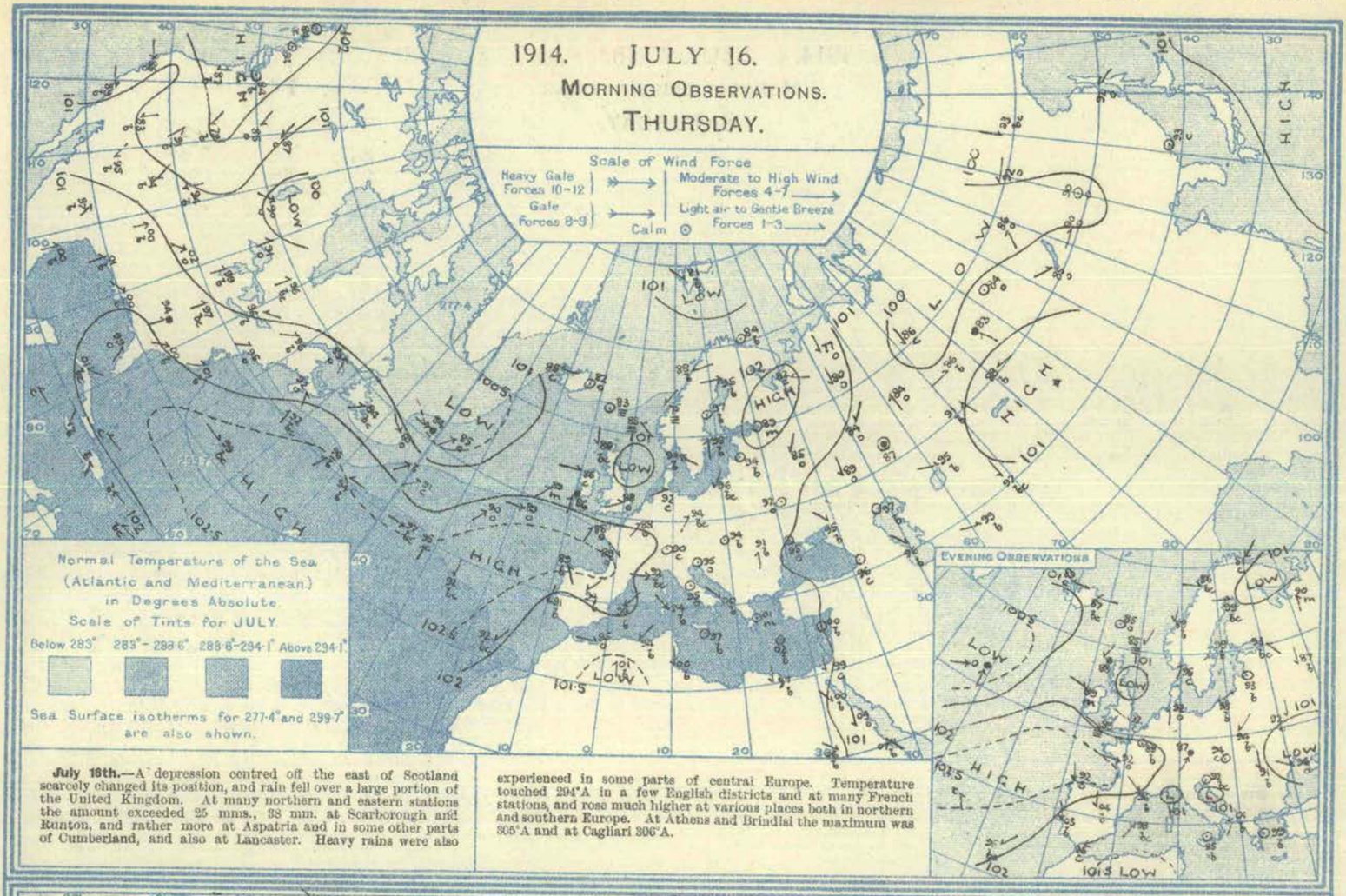

**July 13th.**—A depression on the Atlantic moved somewhat nearer these Islands, but little modification occurred in the general conditions. Thunder and lightning occurred at West Linton and Valencia, as well as at Turin, and rain fell in various parts of the United Kingdom, and in a few scattered places on the Continent. In Finland the fall was heavy. Temperature rose to 297°A or a little above in central England, northern France, and other near regions of the Continent, and touched 301°A at Haparanda, Karlstad, Memel, and St. Petersburg. In southern Europe the thermometer rose to 303°A at several stations, and at Madrid touched 306°A.



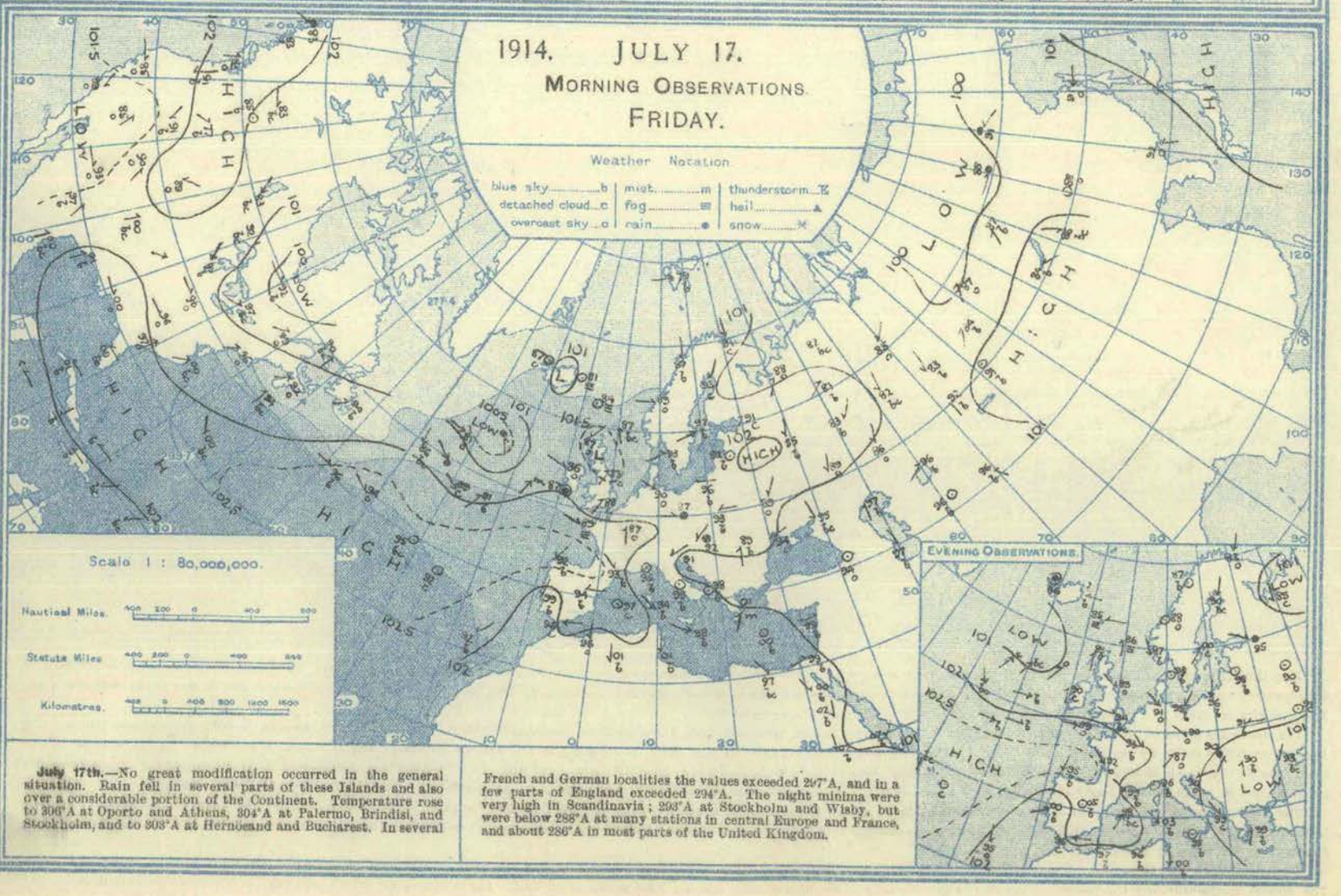

**July 14th.**—A large depression of little intensity approached nearer the United Kingdom, and thunderstorms or thunder only occurred at a few stations in these Islands and in the north and west of France. Rain was experienced over a considerable area in this country and France, as well as in central Europe and Russia. Maximum temperatures as high as 306°A were recorded at some stations in the south and east of England. On the Continent many of the readings were higher; 304°A at Toulouse, Belfort, and Berlin, 305°A at Florence and Cagliari, 306°A at Bordeaux, and 308°A at Madrid.



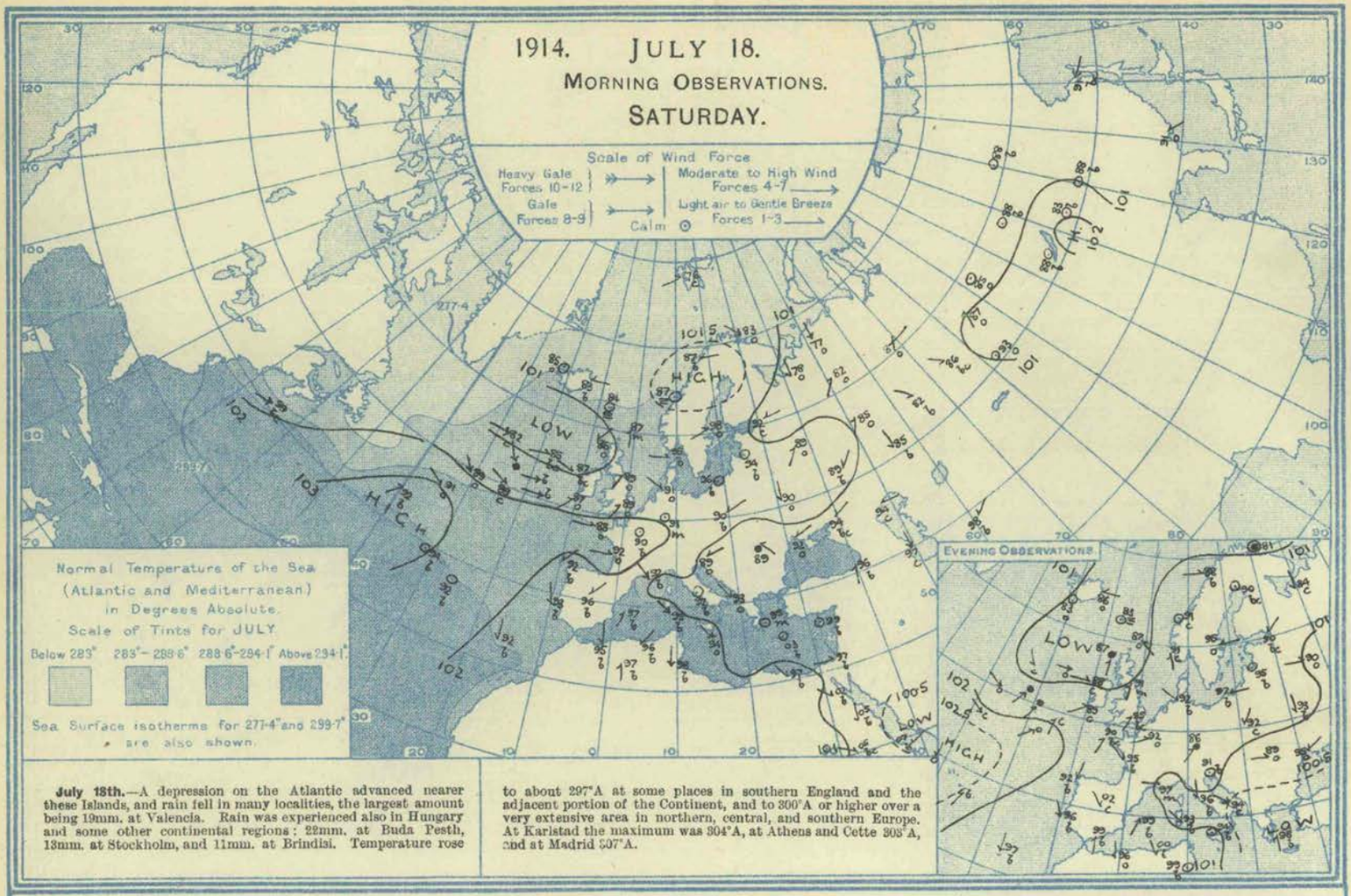

**July 15th.**—Heavy rain accompanied the increasing depth of a small secondary disturbance over the south-east of England and the Netherlands, and here and there thunderstorms occurred. Many places measured more than 25mm. of rain; 40mm. at Clacton-on-Sea, 45mm. at Shoeburyness, and 32mm. at Groningen. Rain was also experienced in Switzerland and the east of France, and also locally in Russia; 40mm. at Lugano, and 22mm. at Moscow. Temperature remained below 294°A in most parts of these Islands, but again rose to a much higher level on the Continent. At Berlin, Rome, and Florence the thermometer touched 305°A, at Madrid 307°A, and at Barcelona 308°A. At some stations in North Germany the night minima were as high as 294°A.




**July 16th.**—A depression centred off the east of Scotland scarcely changed its position, and rain fell over a large portion of the United Kingdom. At many northern and eastern stations the amount exceeded 25 mms., 38 mm. at Scarborough and Runton, and rather more at Aspatria and in some other parts of Cumberland, and also at Lancaster. Heavy rains were also experienced in some parts of central Europe. Temperature touched 294°A in a few English districts and at many French stations, and rose much higher at various places both in northern and southern Europe. At Athens and Brindisi the maximum was 305°A and at Cagliari 306°A.

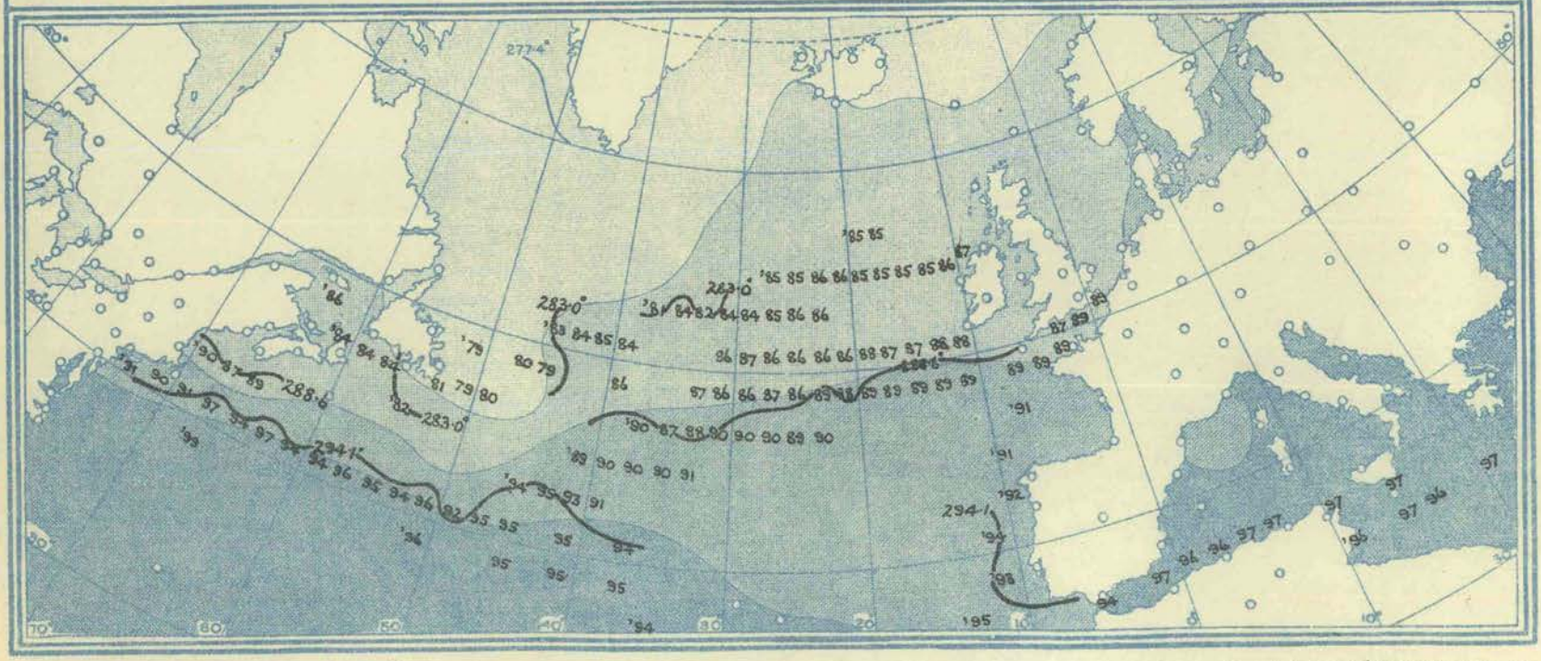



**July 17th.**—No great modification occurred in the general situation. Rain fell in several parts of these Islands and also over a considerable portion of the Continent. Temperature rose to 306°A at Oporto and Athens, 304°A at Palermo, Brindisi, and Stockholm, and to 308°A at Hernösand and Bucharest. In several French and German localities the values exceeded 297°A, and in a few parts of England exceeded 294°A. The night minima were very high in Scandinavia; 293°A at Stockholm and Wisby, but were below 288°A at many stations in central Europe and France, and about 286°A in most parts of the United Kingdom.




**July 18th.**—A depression on the Atlantic advanced nearer these Islands, and rain fell in many localities, the largest amount being 19mm. at Valencia. Rain was experienced also in Hungary and some other continental regions: 22mm. at Buda Pesth, 13mm. at Stockholm, and 11mm. at Brindisi. Temperature rose to about 297°A at some places in southern England and the adjacent portion of the Continent, and to 300°A or higher over a very extensive area in northern, central, and southern Europe. At Karlstad the maximum was 304°A, at Athens and Cette 303°A, and at Madrid 307°A.

## SURFACE TEMPERATURE of the SEA during the week ended Saturday, 18TH JULY, 1914.

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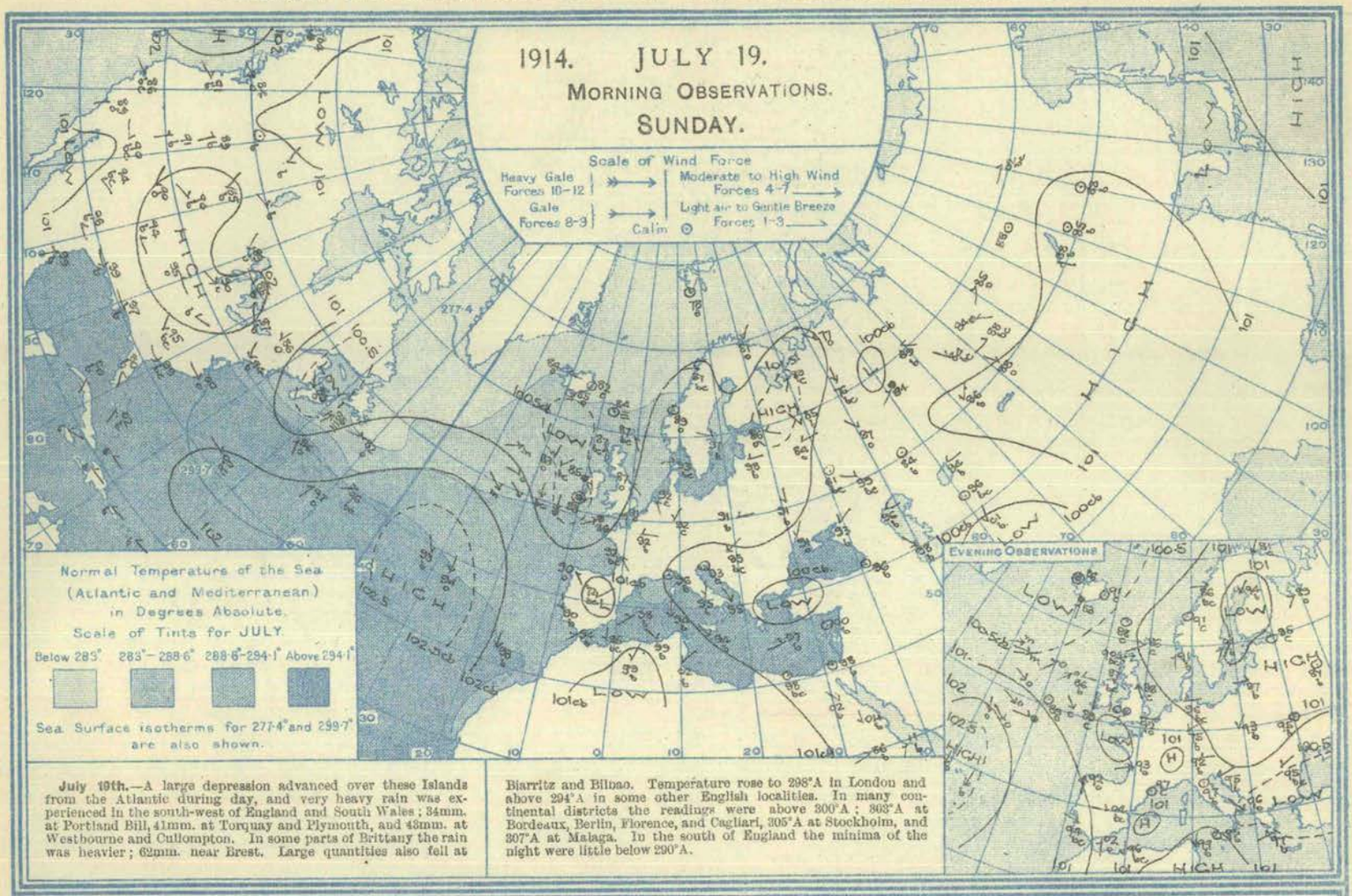
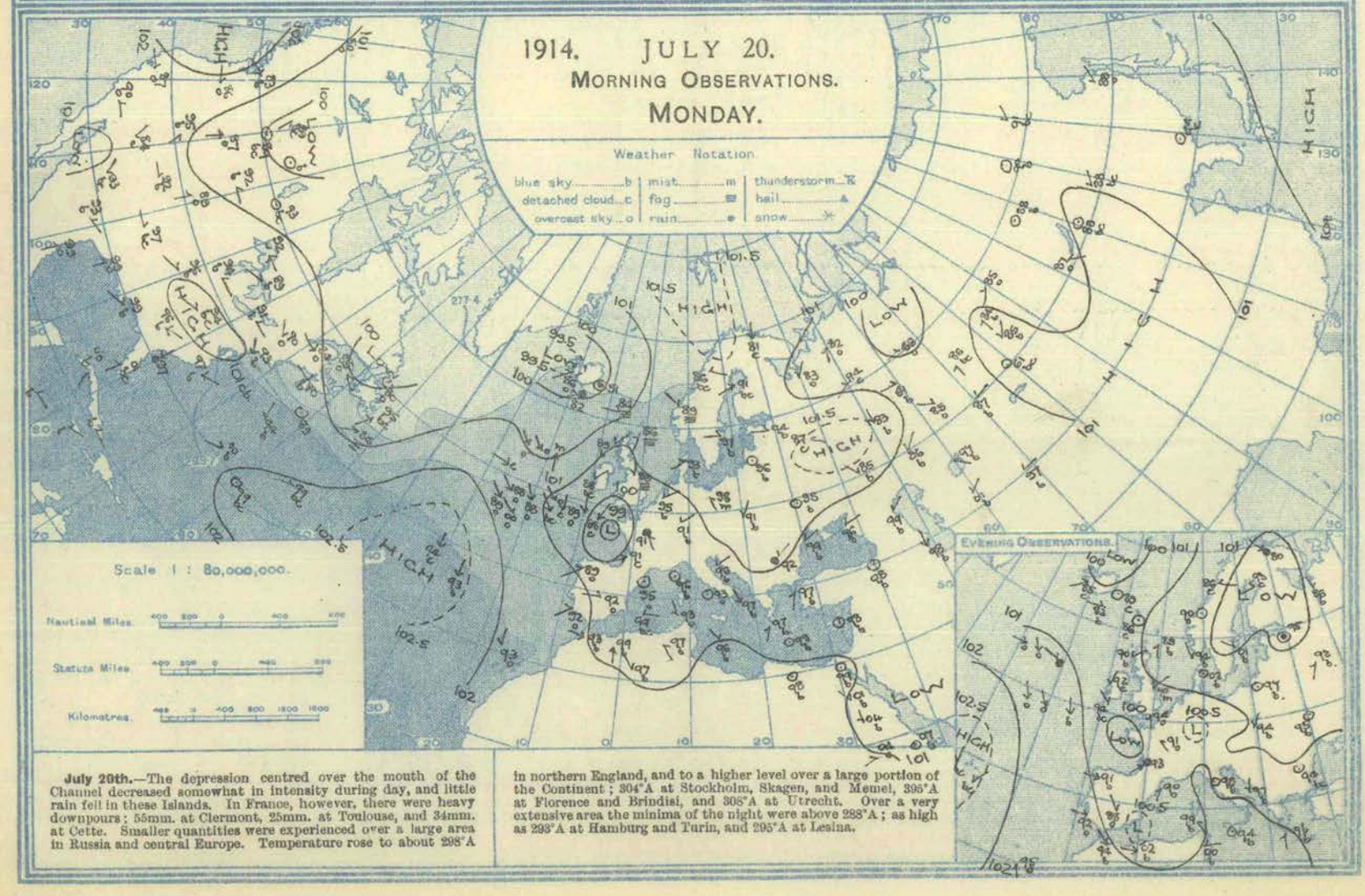
The evening charts are prepared from observations made at 6 p.m. in the British Islands, France, Germany, Holland, Belgium, Denmark and Norway; at 4 p.m. in Spain; at 5 p.m. in Iceland; at 6.25 p.m. in Greece; at 8 p.m. in Sweden, Switzerland, Italy and Austria-Hungary; and at 9.37 p.m. in Portugal and 9 p.m. in the Azores. In the Russian Empire (including Siberia) they are taken at 9 p.m. local time.

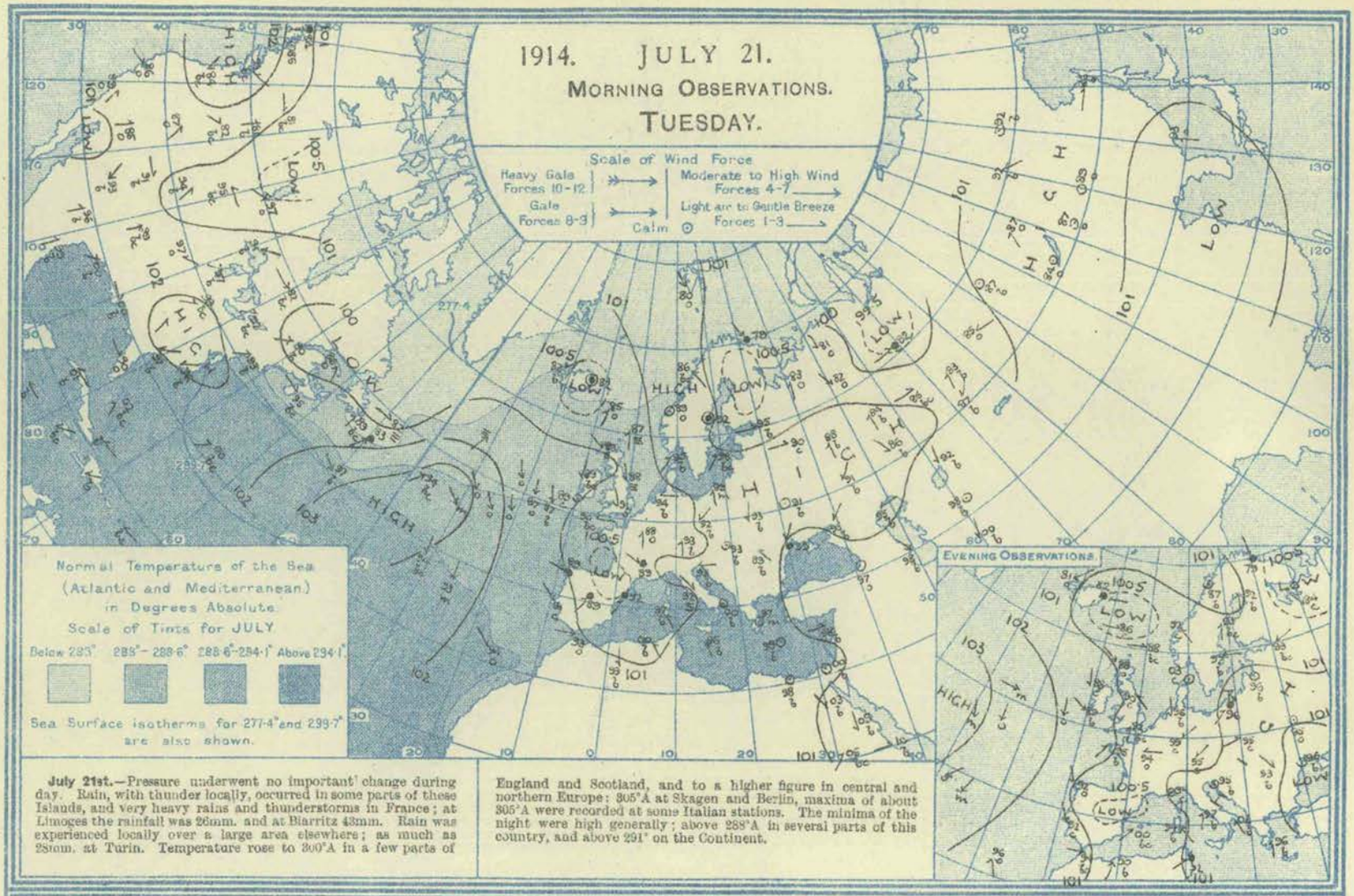
**Temperature of the Sea.**—The mean surface temperature of the sea, in degrees Absolute, observed during the week to which the report refers, is shown in black on the last chart. The normal temperature for the month is indicated by the intensity of the blue shading and the scale shown in an inset. The isotherms for 277·4°A and 299·7°A are shown by blue lines.



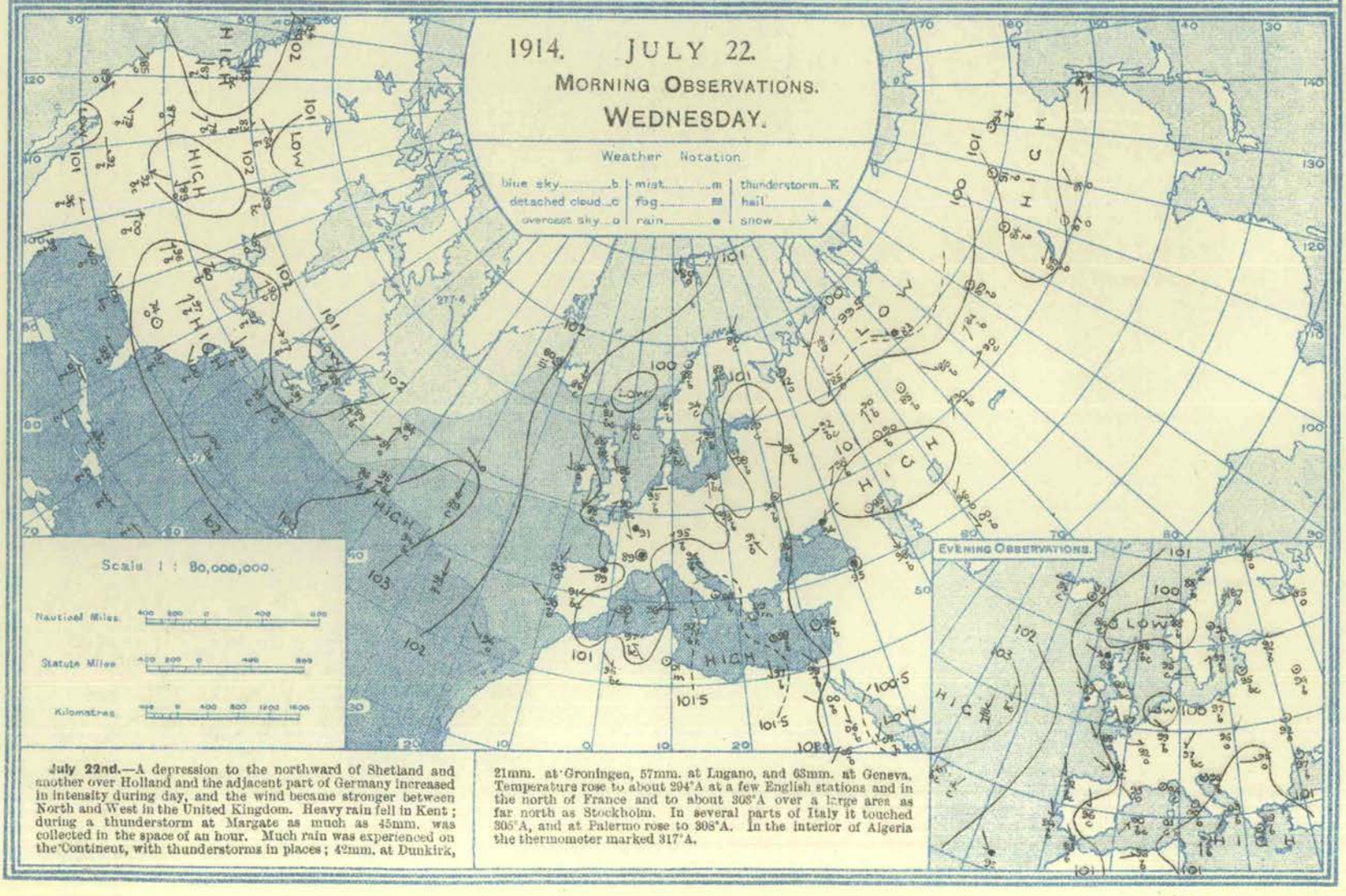

**July 19th.**—A large depression advanced over these Islands from the Atlantic during day, and very heavy rain was experienced in the south-west of England and South Wales; 34mm. at Portland Bill, 41mm. at Torquay and Plymouth, and 43mm. at Westbourne and Cullompton. In some parts of Brittany the rain was heavier; 62mm. near Brest. Large quantities also fell at Biarritz and Bilbao. Temperature rose to 298°A in London and above 294°A in some other English localities. In many continental districts the readings were above 300°A; 303°A at Bordeaux, Berlin, Florence, and Cagliari, 305°A at Stockholm, and 307°A at Malaga. In the south of England the minima of the night were little below 290°A.



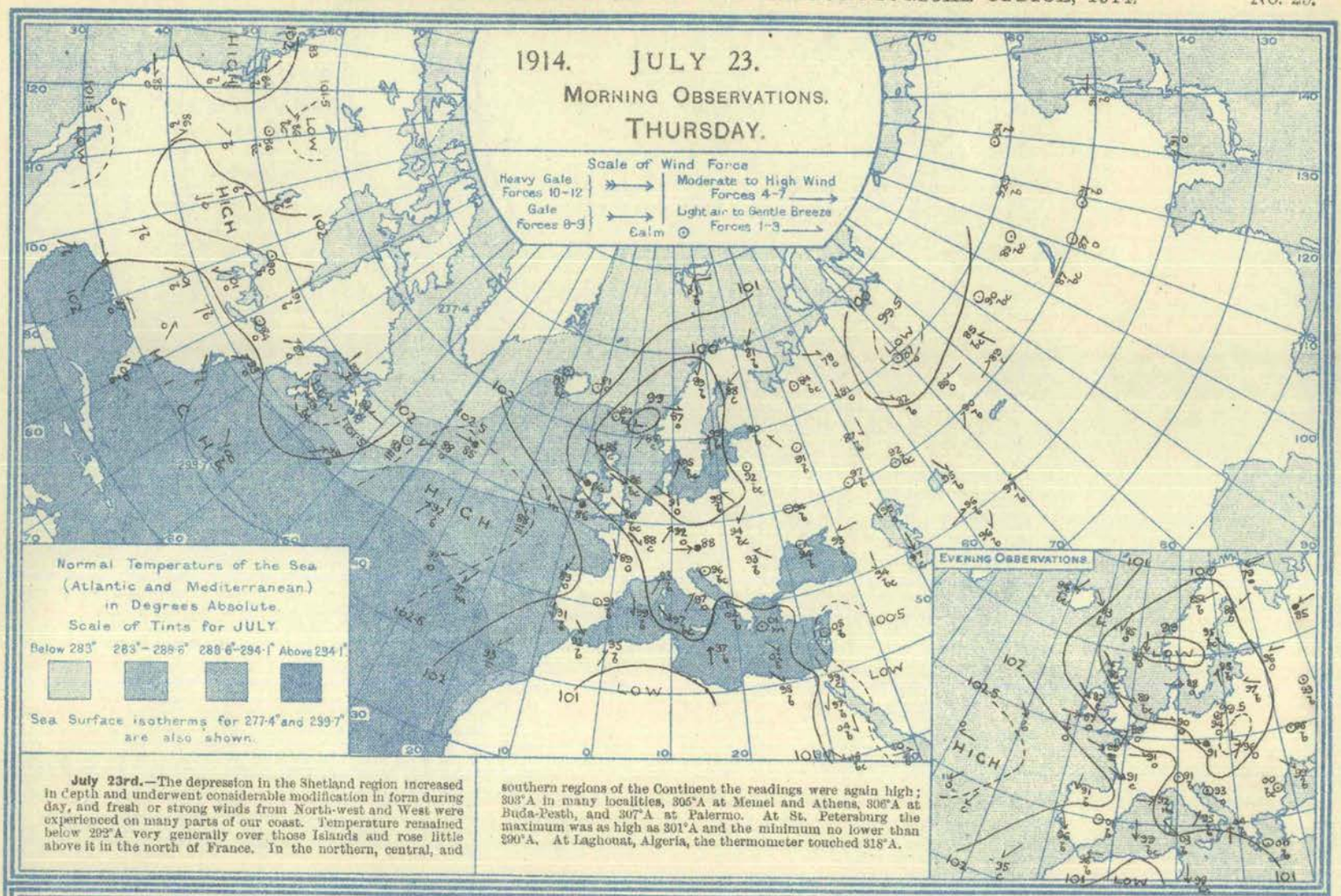

**July 20th.**—The depression centred over the mouth of the Channel decreased somewhat in intensity during day, and little rain fell in these Islands. In France, however, there were heavy downpours; 55mm. at Clermont, 25mm. at Toulouse, and 34mm. at Cette. Smaller quantities were experienced over a large area in Russia and central Europe. Temperature rose to about 298°A in northern England, and to a higher level over a large portion of the Continent; 304°A at Stockholm, Skagen, and Memel, 305°A at Florence and Brindisi, and 306°A at Utrecht. Over a very extensive area the minima of the night were above 288°A; as high as 293°A at Hamburg and Turin, and 295°A at Lesina.



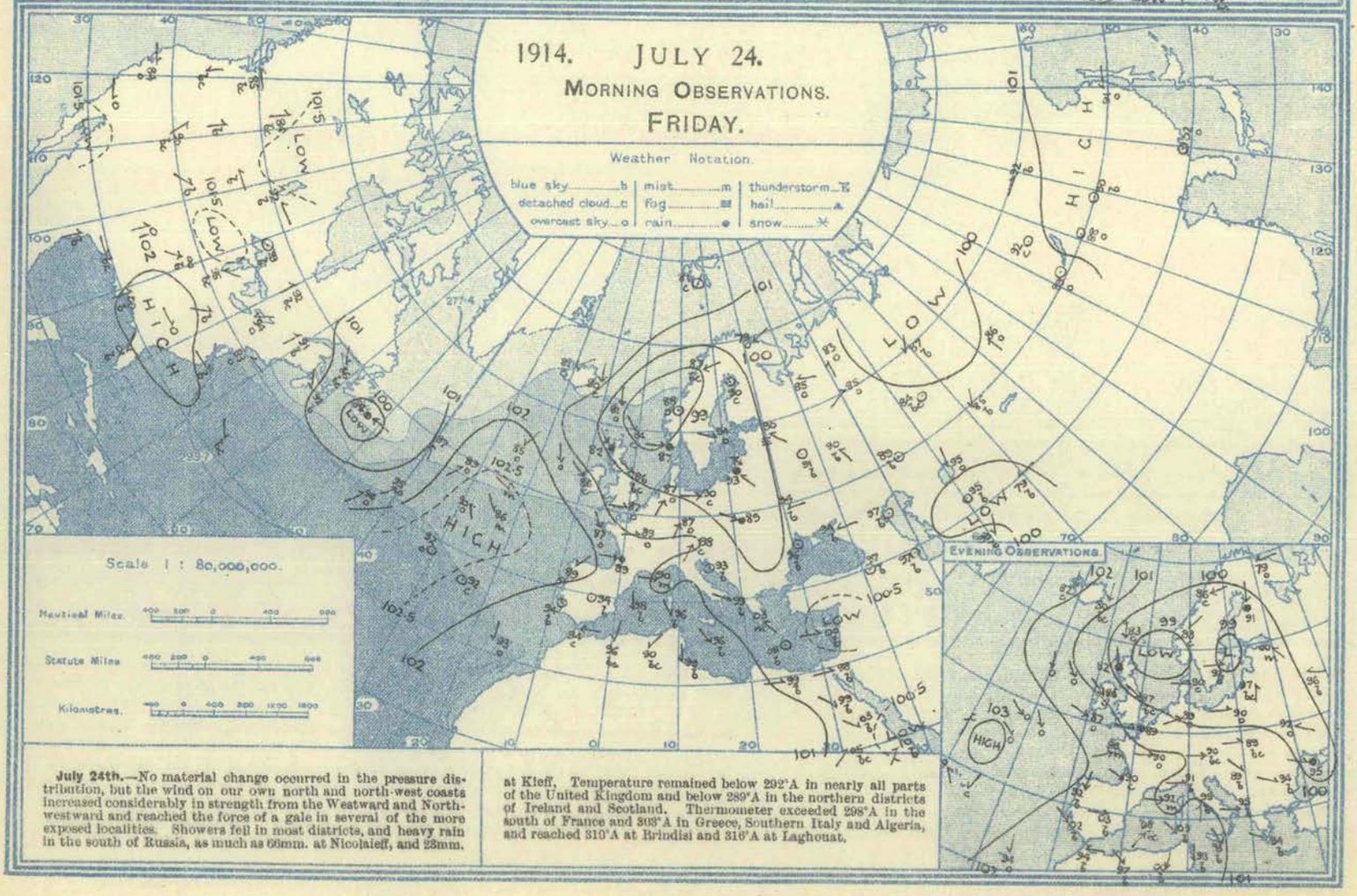

**July 21st.**—Pressure underwent no important change during day. Rain, with thunder locally, occurred in some parts of these Islands, and very heavy rains and thunderstorms in France; at Limoges the rainfall was 26mm. and at Biarritz 43mm. Rain was experienced locally over a large area elsewhere; as much as 28mm. at Turin. Temperature rose to 300°A in a few parts of England and Scotland, and to a higher figure in central and northern Europe: 305°A at Skagen and Berlin, maxima of about 305°A were recorded at some Italian stations. The minima of the night were high generally; above 288°A in several parts of this country, and above 291° on the Continent.



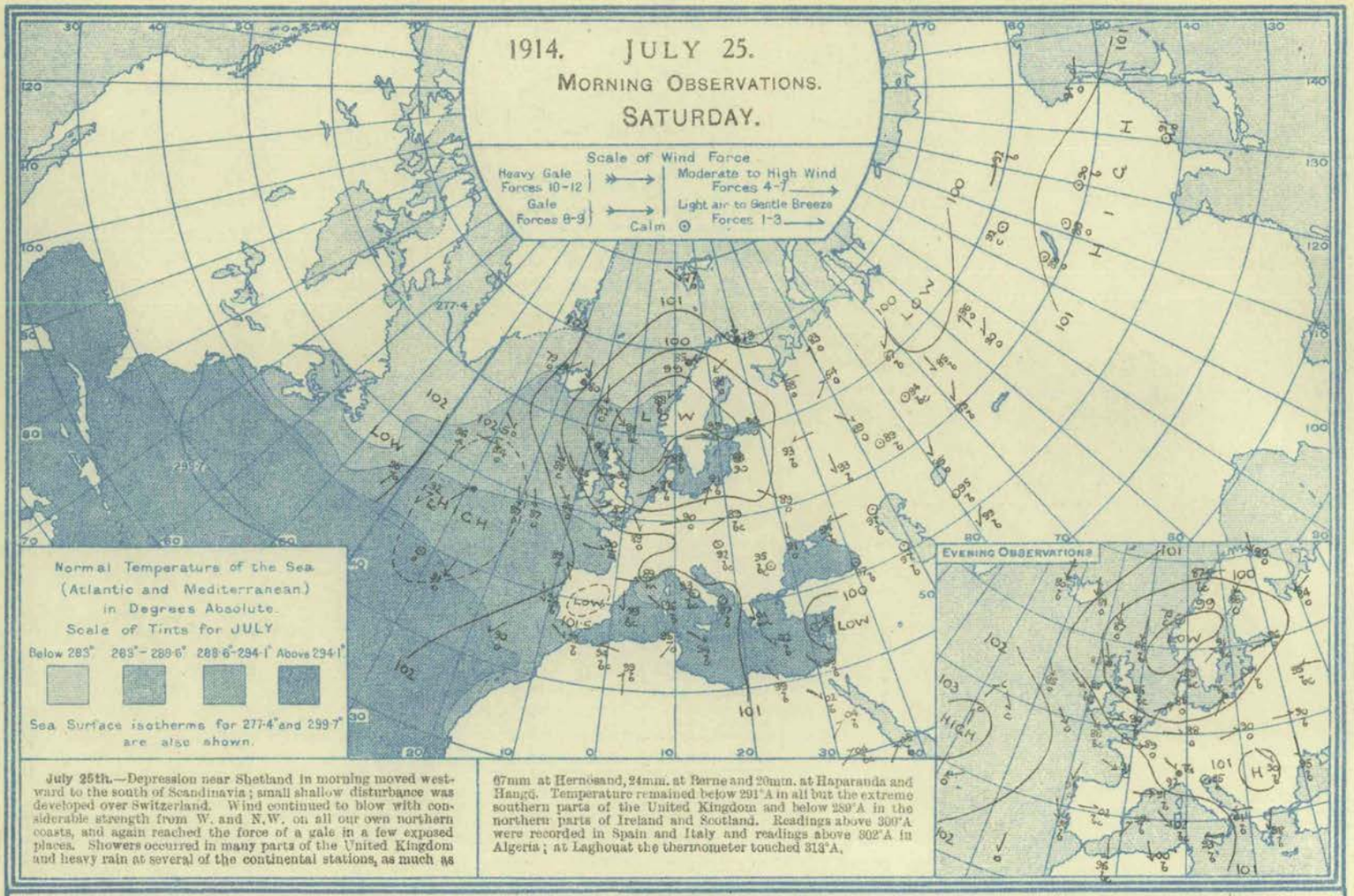

**July 22nd.**—A depression to the northward of Shetland and another over Holland and the adjacent part of Germany increased in intensity during day, and the wind became stronger between North and West in the United Kingdom. Heavy rain fell in Kent; during a thunderstorm at Margate as much as 45mm. was collected in the space of an hour. Much rain was experienced on the Continent, with thunderstorms in places; 42mm. at Dunkirk, 21mm. at Groningen, 57mm. at Lugano, and 63mm. at Geneva. Temperature rose to about 294°A at a few English stations and in the north of France and to about 303°A over a large area as far north as Stockholm. In several parts of Italy it touched 305°A, and at Palermo rose to 308°A. In the interior of Algeria the thermometer marked 317°A.




**July 23rd.**—The depression in the Shetland region increased in depth and underwent considerable modification in form during day, and fresh or strong winds from North-west and West were experienced on many parts of our coast. Temperature remained below 292°A very generally over those Islands and rose little above it in the north of France. In the northern, central, and southern regions of the Continent the readings were again high; 303°A in many localities, 305°A at Memel and Athens, 306°A at Buda-Pesth, and 307°A at Palermo. At St. Petersburg the maximum was as high as 301°A and the minimum no lower than 290°A. At Laghouat, Algeria, the thermometer touched 318°A.

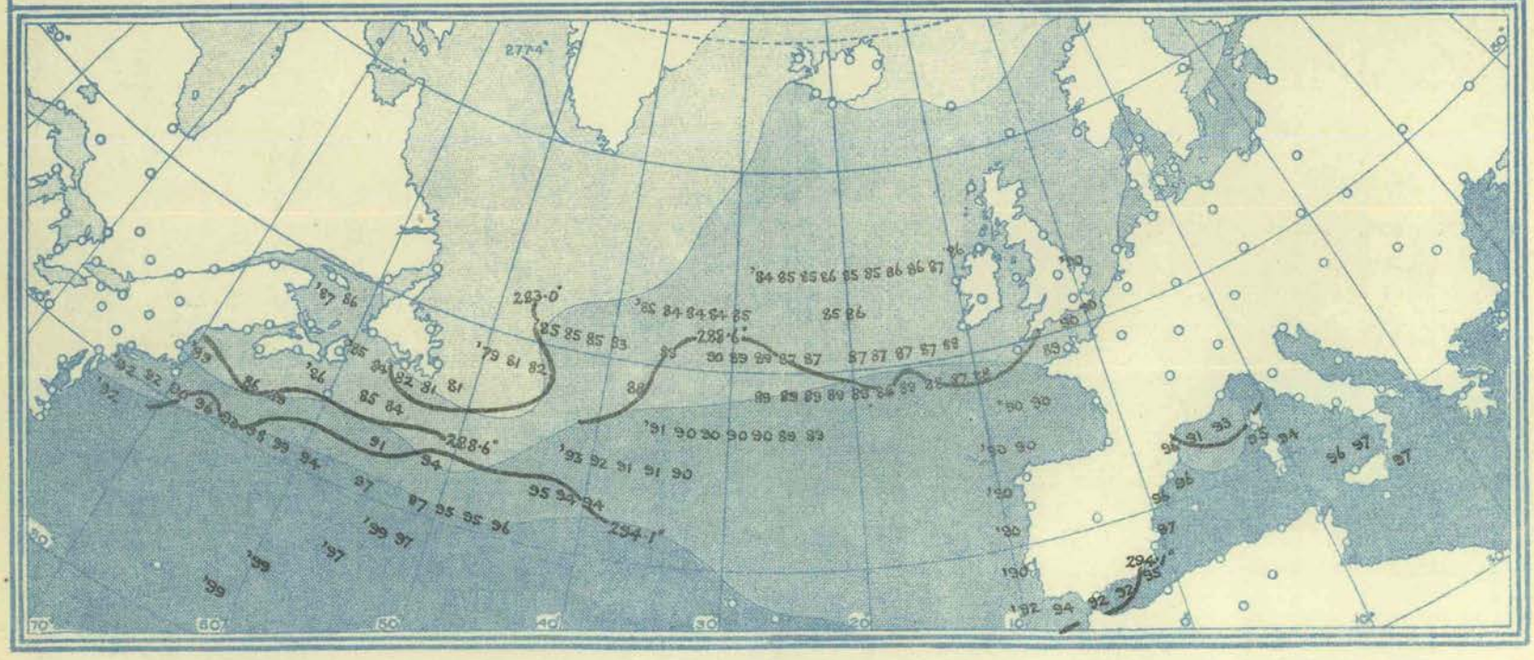



**July 24th.**—No material change occurred in the pressure distribution, but the wind on our own north and north-west coasts increased considerably in strength from the Westward and North-westward and reached the force of a gale in several of the more exposed localities. Showers fell in most districts, and heavy rain in the south of Russia, as much as 66mm. at Nicolaieff, and 28mm. at Kieff. Temperature remained below 292°A in nearly all parts of the United Kingdom and below 289°A in the northern districts of Ireland and Scotland. Thermometer exceeded 298°A in the south of France and 303°A in Greece, Southern Italy and Algeria, and reached 310°A at Brindisi and 316°A at Laghouat.




**July 25th.**—Depression near Shetland in morning moved westward to the south of Scandinavia; small shallow disturbance was developed over Switzerland. Wind continued to blow with considerable strength from W. and N.W. on all our own northern coasts, and again reached the force of a gale in a few exposed places. Showers occurred in many parts of the United Kingdom and heavy rain at several of the continental stations, as much as 67mm at Hernösand, 24mm. at Berne and 20mm. at Haparanda and Hangö. Temperature remained below 291°A in all but the extreme southern parts of the United Kingdom and below 289°A in the northern parts of Ireland and Scotland. Readings above 300°A were recorded in Spain and Italy and readings above 302°A in Algeria; at Laghouat the thermometer touched 313°A.

## *SURFACE TEMPERATURE of the SEA during the week ended Saturday, 25TH JULY, 1914.*

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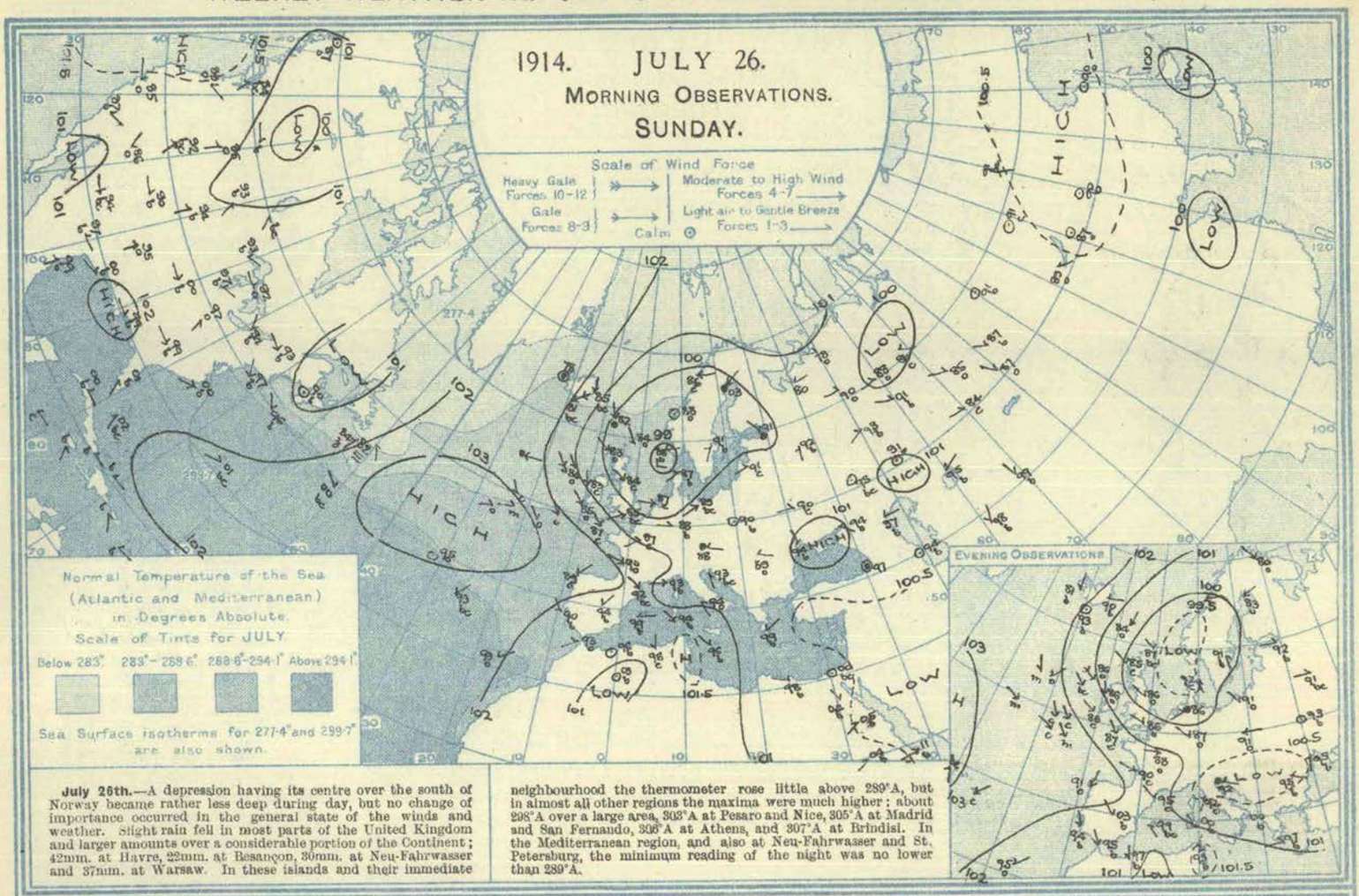
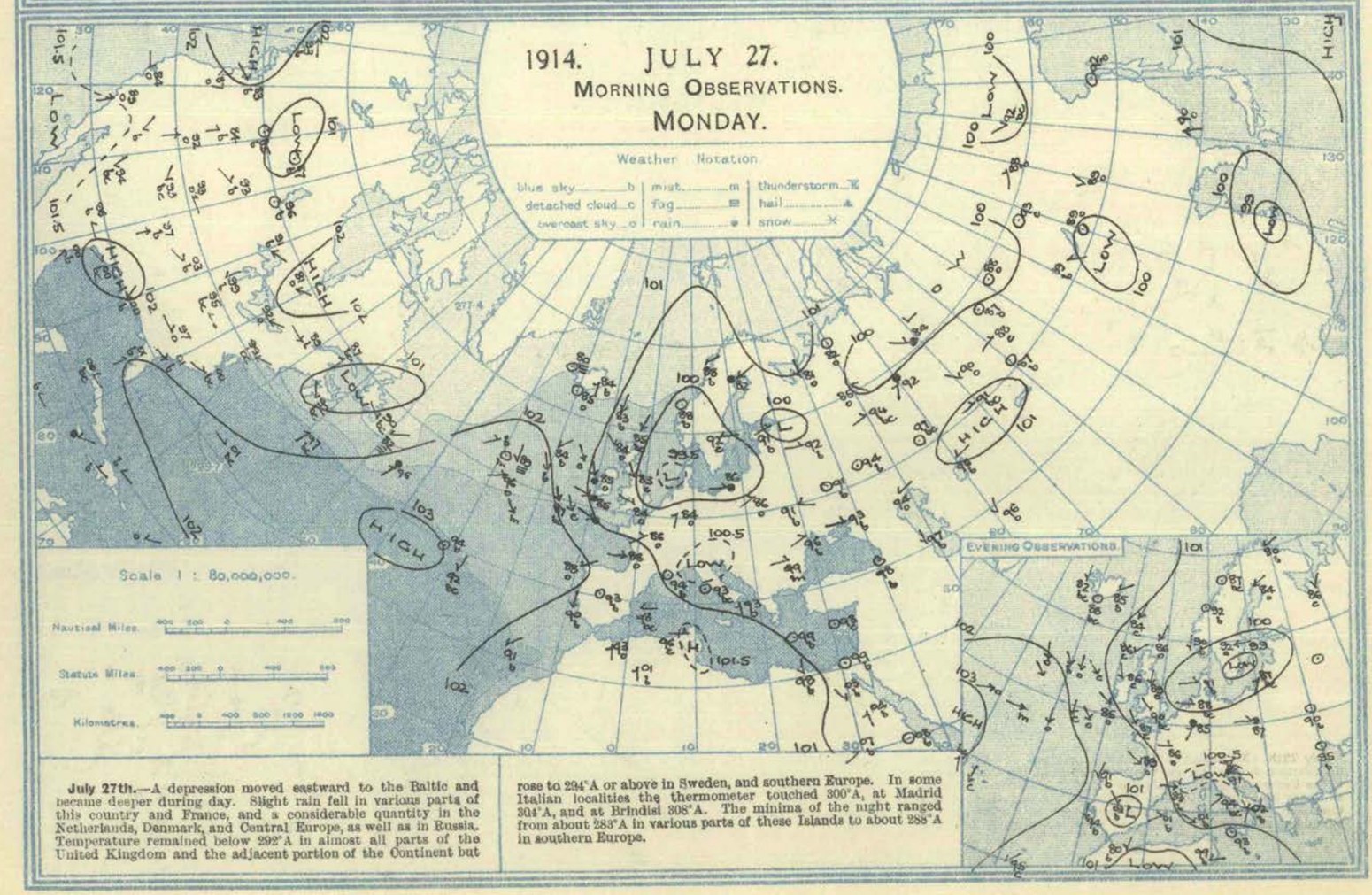
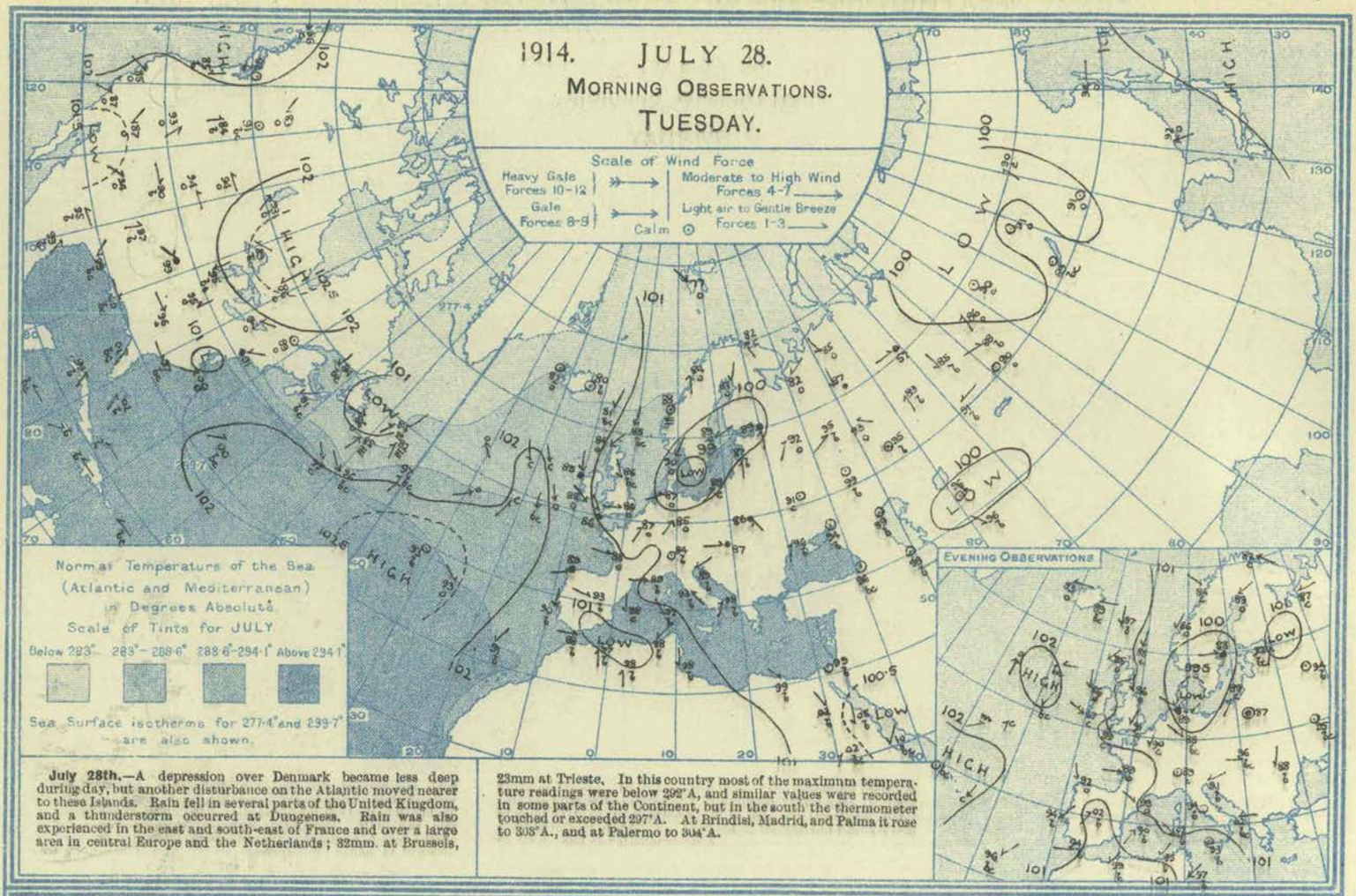


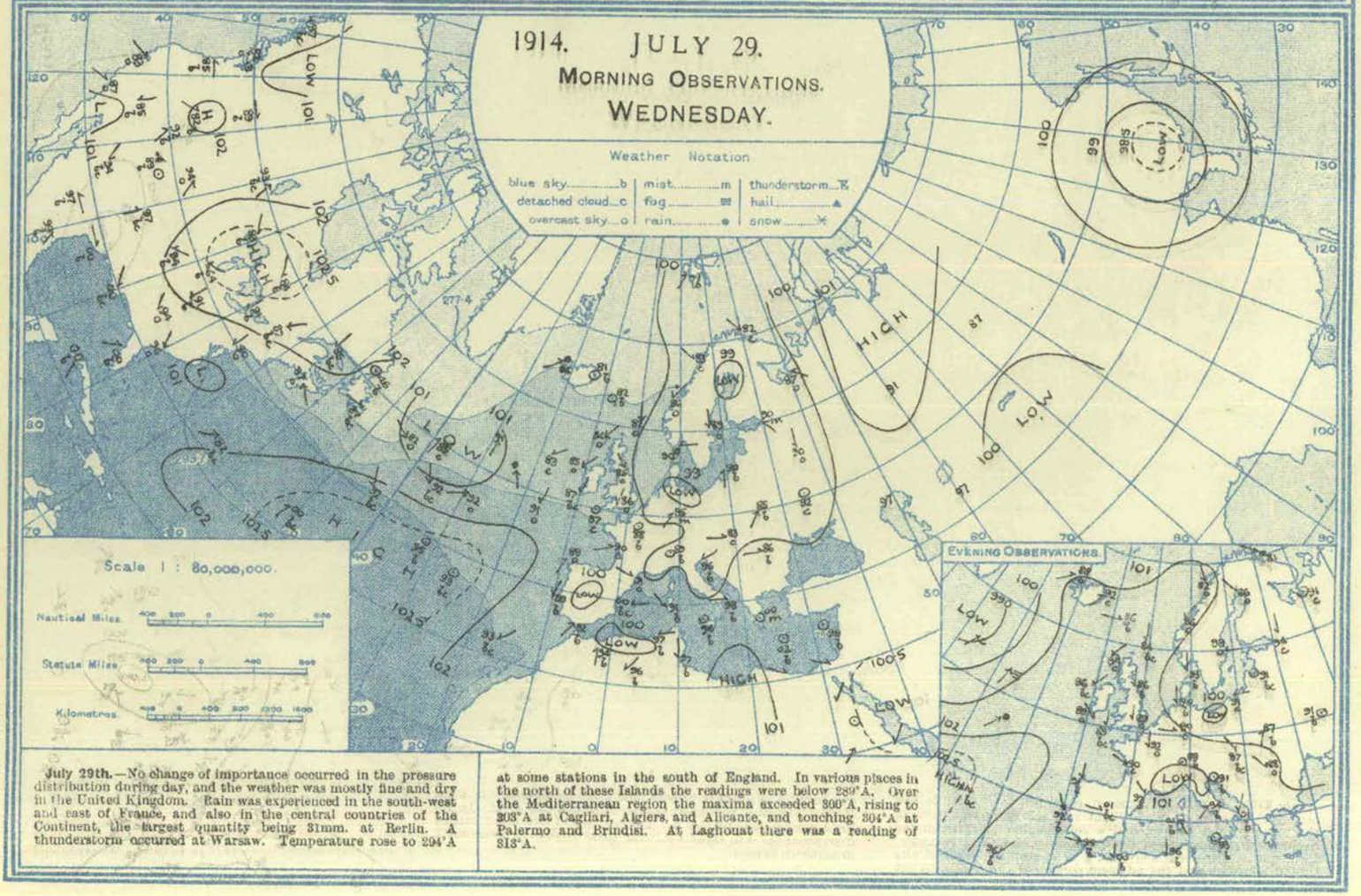

**July 26th.**—A depression having its centre over the south of Norway became rather less deep during day, but no change of importance occurred in the general state of the winds and weather. Slight rain fell in most parts of the United Kingdom and larger amounts over a considerable portion of the Continent; 42mm. at Havre, 22mm. at Besançon, 30mm. at Neu-Fahrwasser and 37mm. at Warsaw. In these islands and their immediate neighbourhood the thermometer rose little above 289°A, but in almost all other regions the maxima were much higher; about 298°A over a large area, 303°A at Pesaro and Nice, 305°A at Madrid and San Fernando, 306°A at Athens, and 307°A at Brindisi. In the Mediterranean region, and also at Neu-Fahrwasser and St. Petersburg, the minimum reading of the night was no lower than 289°A.



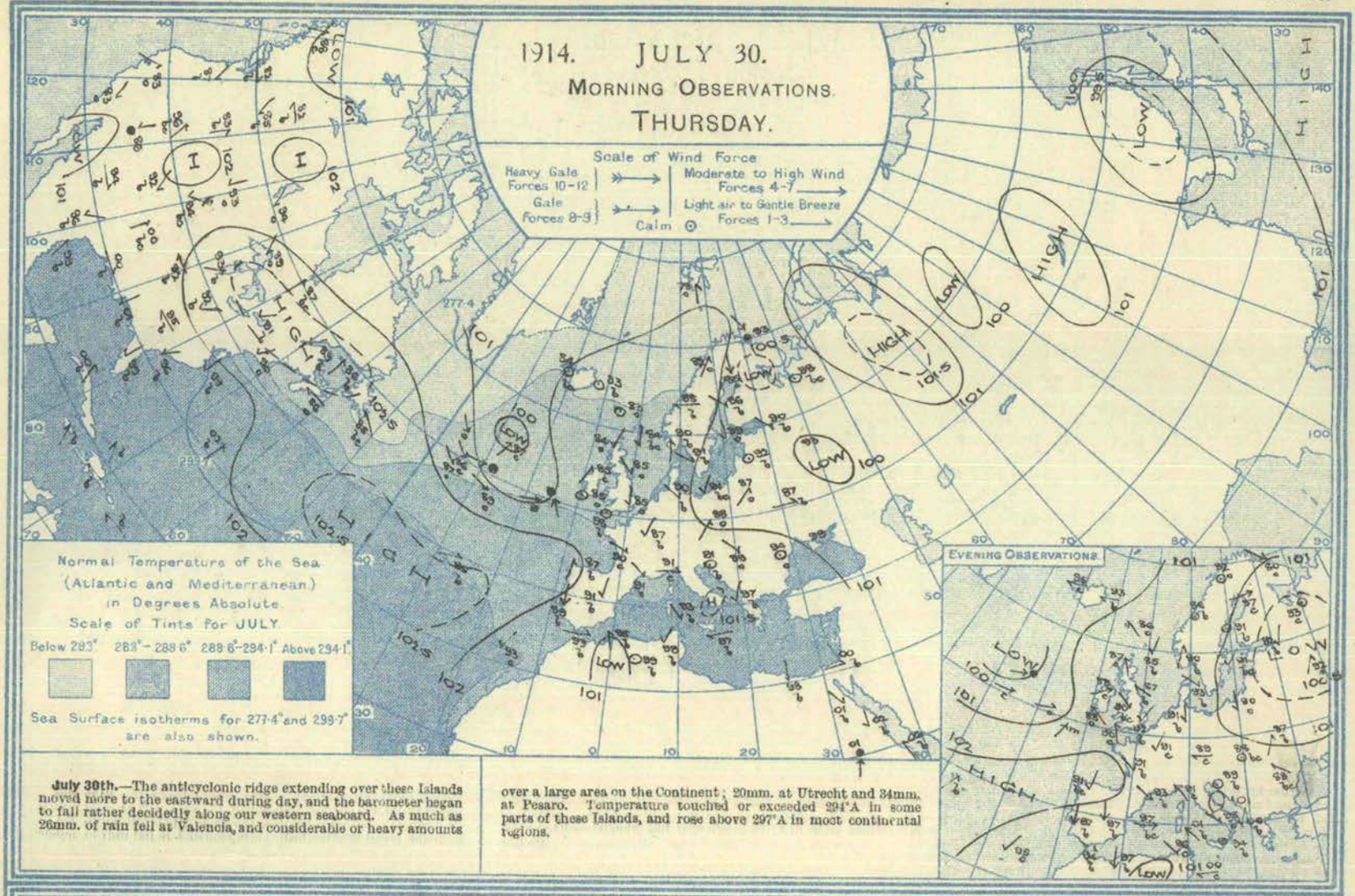

**July 27th.**—A depression moved eastward to the Baltic and became deeper during day. Slight rain fell in various parts of this country and France, and a considerable quantity in the Netherlands, Denmark, and Central Europe, as well as in Russia. Temperature remained below 292°A in almost all parts of the United Kingdom and the adjacent portion of the Continent but rose to 294°A or above in Sweden, and southern Europe. In some Italian localities the thermometer touched 300°A, at Madrid 304°A, and at Brindisi 308°A. The minima of the night ranged from about 283°A in various parts of these Islands to about 288°A in southern Europe.



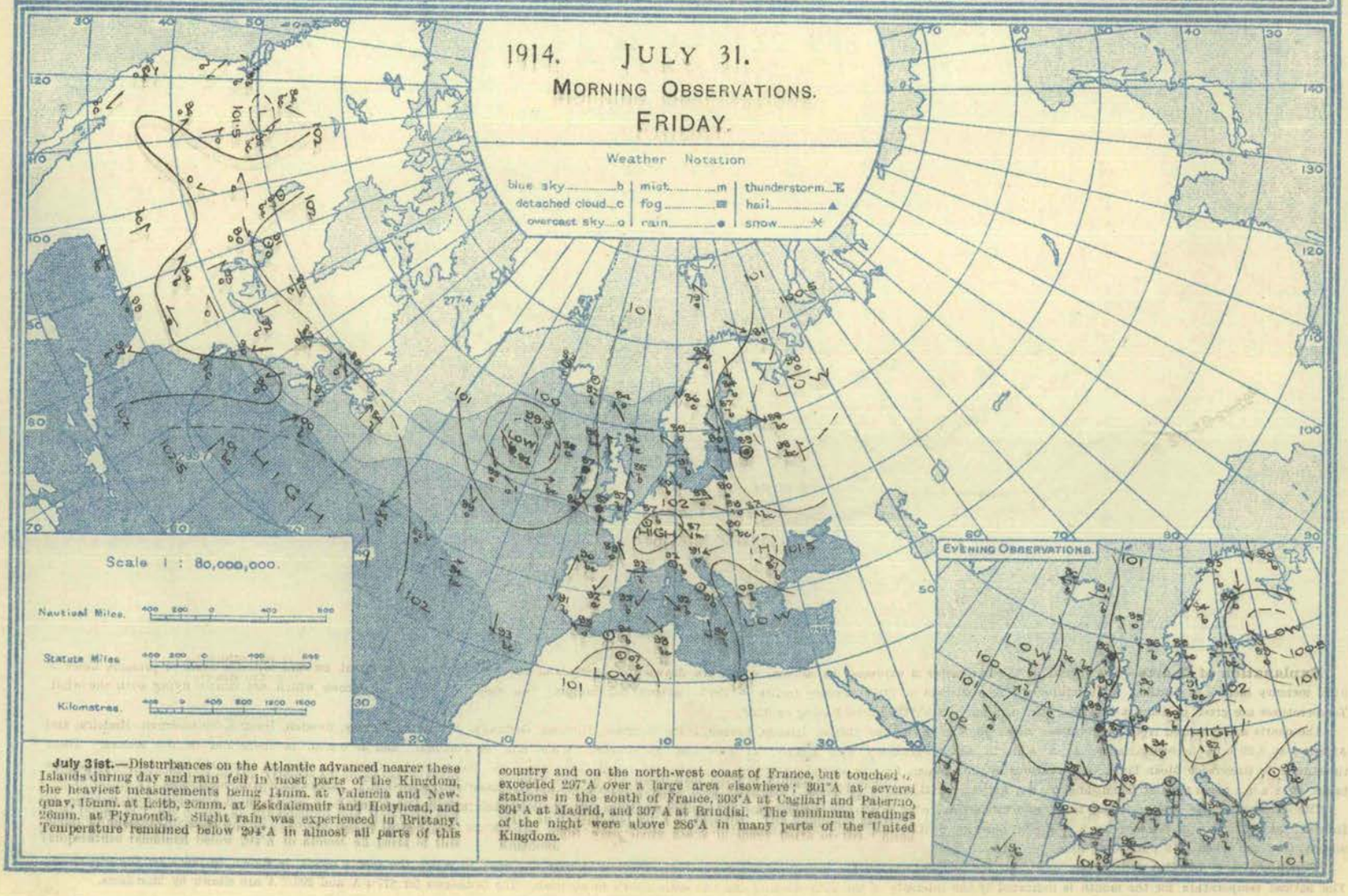

**July 28th.**—A depression over Denmark became less deep during day, but another disturbance on the Atlantic moved nearer to these Islands. Rain fell in several parts of the United Kingdom, and a thunderstorm occurred at Dungeness. Rain was also experienced in the east and south-east of France and over a large area in central Europe and the Netherlands; 32mm. at Brussels, 23mm at Trieste. In this country most of the maximum temperature readings were below 292°A, and similar values were recorded in some parts of the Continent, but in the south the thermometer touched or exceeded 297°A. At Brindisi, Madrid, and Palma it rose to 303°A., and at Palermo to 304°A.



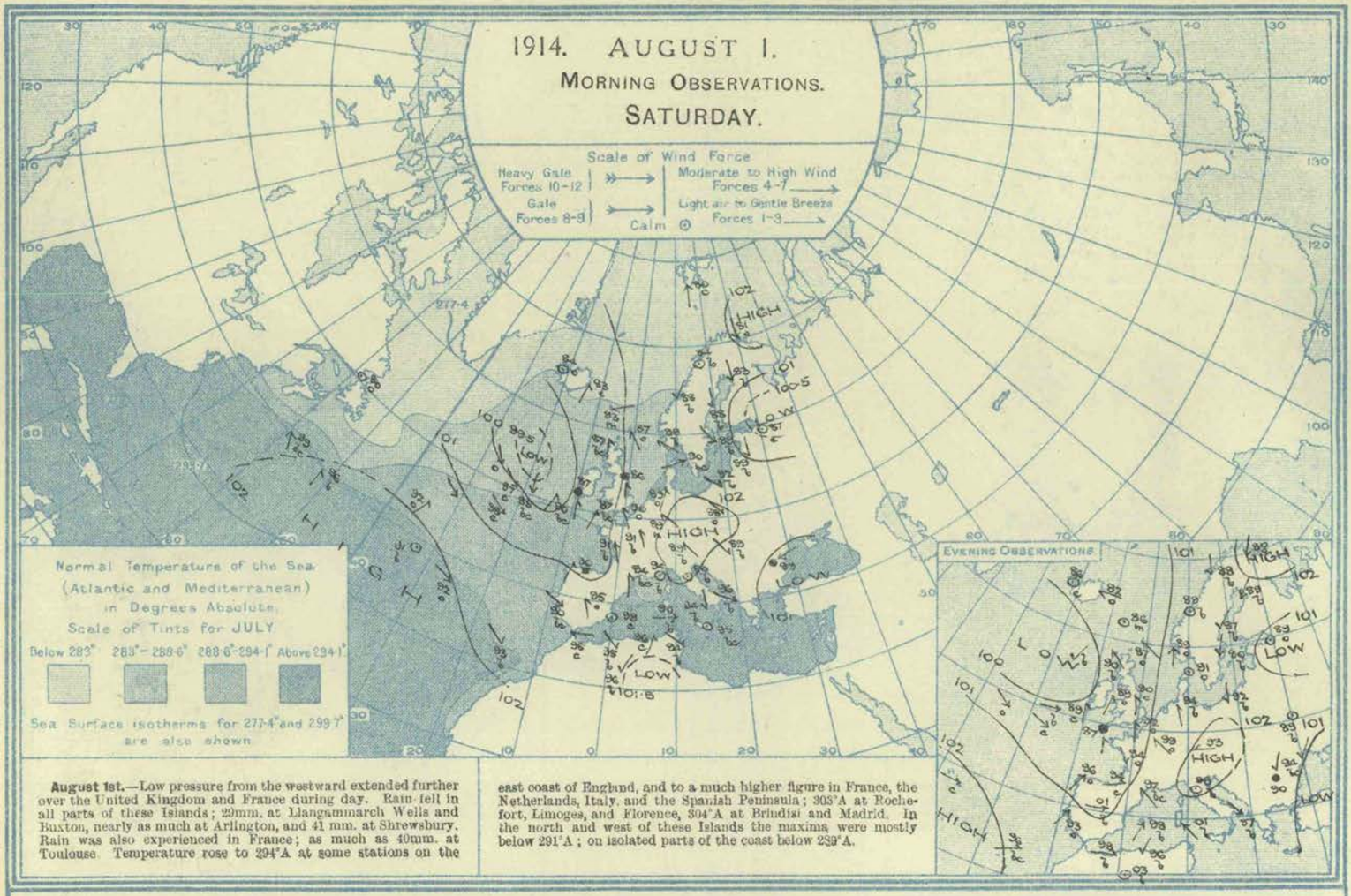

**July 29th.**—No change of importance occurred in the pressure distribution during day, and the weather was mostly fine and dry in the United Kingdom. Rain was experienced in the south-west and east of France, and also in the central countries of the Continent, the largest quantity being 31mm. at Berlin. A thunderstorm occurred at Warsaw. Temperature rose to 294°A at some stations in the south of England. In various places in the north of these Islands the readings were below 289°A. Over the Mediterranean region the maxima exceeded 300°A, rising to 303°A at Cagliari, Algiers, and Alicante, and touching 304°A at Palermo and Brindisi. At Laghouat there was a reading of 313°A.




**July 30th.**—The anticyclonic ridge extending over these Islands moved more to the eastward during day, and the barometer began to fall rather decidedly along our western seaboard. As much as 26mm. of rain fell at Valencia, and considerable or heavy amounts over a large area on the Continent; 20mm. at Utrecht and 34mm. at Pesaro. Temperature touched or exceeded 294°A in some parts of these Islands, and rose above 297°A in most continental regions.

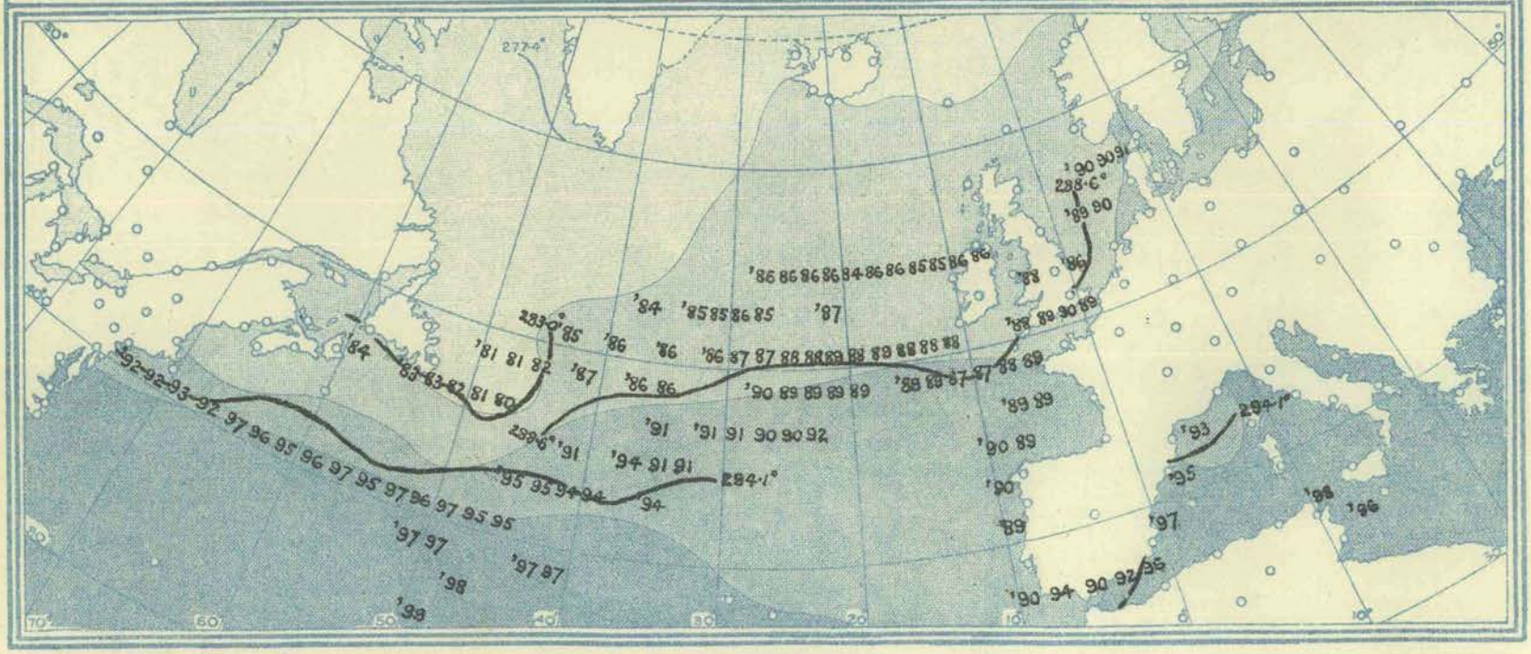



**July 31st.**—Disturbances on the Atlantic advanced nearer these Islands during day and rain fell in most parts of the Kingdom, the heaviest measurements being 14mm. at Valencia and Newquay, 15mm. at Leith, 20mm. at Eskdalemuir and Holyhead, and 26mm. at Plymouth. Slight rain was experienced in Brittany. Temperature remained below 294°A in almost all parts of this country and on the north-west coast of France, but touched or exceeded 297°A over a large area elsewhere; 301°A at several stations in the south of France, 303°A at Cagliari and Palermo, 304°A at Madrid, and 307°A at Brindisi. The minimum readings of the night were above 286°A in many parts of the United Kingdom.




**August 1st.**—Low pressure from the westward extended further over the United Kingdom and France during day. Rain fell in all parts of these Islands; 29mm. at Llangammarch Wells and Buxton, nearly as much at Arlington, and 41 mm. at Shrewsbury. Rain was also experienced in France; as much as 40mm. at Toulouse. Temperature rose to 294°A at some stations on the east coast of England, and to a much higher figure in France, the Netherlands, Italy, and the Spanish Peninsula; 303°A at Rochefort, Limoges, and Florence, 304°A at Brindisi and Madrid. In the north and west of these Islands the maxima were mostly below 291°A; on isolated parts of the coast below 289°A.

## SURFACE TEMPERATURE of the SEA during the week ended Saturday, 1ST AUGUST, 1914.




**Explanation of Charts.**—The height of the barometer is expressed by isobars, which are drawn for intervals of one centibar, the equivalent on the absolute scale of pressure units of 0·295 mercury inches. 1 centibar = 10 millibars. 100 centibars = 29·53 mercury inches = 750·1 mercury millimetres. The winds are shown by arrows which are drawn flying with the wind. Temperatures are given in degrees Absolute, freezing point = 273°, the initial 2 being omitted.

The charts are prepared from observations made at 7 a.m. in the British Islands, France, Italy, Belgium, Holland, Germany, Denmark, Norway, Sweden, Iceland, Spitzbergen, Madeira, and Algeria; at 6.30 a.m. in Switzerland; at 6 a.m. in Austria-Hungary and Egypt; at 5.25 a.m. in Greece; at 8.37 a.m. in Portugal; and at 8 a.m. in Spain and in the Azores. These times refer to Greenwich Mean Time. Observations in the Russian Empire, including Siberia, are taken at 7 a.m. local time. On the American Continent and at Bermuda the observations are taken at 8 a.m., mean time of Longitude 75° W., i.e., 1 p.m. G.M.T. "Wireless" observations from the Atlantic Ocean are taken at 7 a.m. G.M.T., others at 8 a.m. local time.

The evening charts are prepared from observations made at 6 p.m. in the British Islands, France, Germany, Holland, Belgium, Denmark and Norway; at 4 p.m. in Spain; at 5 p.m. in Iceland; at 6.25 p.m. in Greece; at 8 p.m. in Sweden, Switzerland, Italy and Austria-Hungary; and at 9.37 p.m. in Portugal and 9 p.m. in the Azores. In the Russian Empire (including Siberia) they are taken at 9 p.m. local time.

**Temperature of the Sea.**—The mean surface temperature of the sea, in degrees Absolute, observed during the week to which the report refers, is shown in black on the last chart. The normal temperature for the month is indicated by the intensity of the blue shading and the scale shown in an inset. The isotherms for 277·4°A and 299·7°A are shown by blue lines.

(1157—19.) Wt. 226—911. 450. 5/14. D & S. G. 17/37.

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT, 1914. FIRST QUARTER (JANUARY, FEBRUARY, MARCH).

Thirty-seventh Year.
VOL. XXXI. [*New Series.*] } APPENDIX I.

A MILD, WET, AND CLOUDY QUARTER.

[*Price 4d.*

## SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-FOUR YEARS, 1881–1914.

### TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 30 YEARS, 1881–1910.

| YEARS. | 0. SCOTLAND, N. | | | Eastern Districts. | | | | | | | | | | | | | | | | | | Western Districts. | | | | | | | | | | | | | | | | | | | | 11. ENGLISH CHANNEL. | | | DISTRICTS 1-10 COMBINED. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1. SCOTLAND, E. | | | 2. ENGLAND, N.E. | | | 3. ENGLAND, E. | | | 4. MIDLAND COUNTIES. | | | 5. ENGLAND, S.E. | | | DISTRICTS 1-5. | | | 6. SCOTLAND, W. | | | 7. ENGLAND, N.W. AND N. WALES. | | | 8. S. WALES AND ENGLAND, S.W. | | | 9. IRELAND, N. | | | 10. IRELAND, S. | | | DISTRICTS 6-10. | | | | | | | | |
| | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. |
| | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % |
| LUSTRA.* 1881-1885 .. | 65 | *14·2* | *96* | 49 | *8·3* | *115* | 45 | 5·1 | 102 | 44 | *4·9* | *102* | 45 | 6·4 | 112 | 43 | 6·4 | 105 | 45 | 6·2 | 107 | 58 | *13·2* | *109* | 51 | 8·8 | 110 | 53 | 9·7 | 104 | 61 | 9·4 | 102 | 57 | 11·9 | 118 | 56 | 10·6 | 109 | 57 | 8·2 | 104 | 51 | 8·4 | 105 |
| 1886-1890 .. | 66 | *14·5* | *98* | 52 | 6·6 | 92 | 47 | 5·1 | 102 | 47 | *4·5* | *94* | 43 | 5·2 | 91 | 44 | 5·4 | 89 | 47 | 5·4 | 93 | 53 | 10·8 | 89 | 50 | 6·9 | 86 | 49 | 8·3 | 89 | 56 | 8·4 | 91 | 50 | 9·5 | 94 | 52 | 8·8 | 91 | 57 | 7·1 | 90 | 49 | 7·1 | 91 |
| 1891-1895 .. | 64 | 13·9 | 94 | 48 | 6·8 | 94 | 49 | 5·1 | 102 | 48 | *4·4* | *92* | 45 | 4·9 | 86 | 43 | 5·3 | 87 | 47 | 5·3 | 91 | 53 | 10·5 | 87 | 47 | 6·7 | 84 | 47 | 8·1 | 87 | 55 | 7·8 | 85 | 49 | 8·5 | 84 | 50 | 8·3 | 86 | 52 | 7·1 | 90 | 49 | 6·8 | 87 |
| 1896-1900 .. | 67 | 14·6 | 99 | 53 | 6·7 | 93 | 49 | 5·4 | 108 | 49 | *5·4* | *113* | 46 | 6·1 | 107 | 44 | 6·5 | 107 | 48 | 6·0 | 103 | 58 | *11·5* | *95* | 53 | 8·3 | 104 | 54 | 10·4 | 112 | 61 | 8·7 | 95 | 53 | 9·9 | 98 | 56 | 9·8 | 101 | 58 | 8·3 | 105 | 52 | 7·9 | 101 |
| 1901-1905 .. | 69 | *16·5* | *111* | 55 | 7·6 | 106 | 47 | 4·6 | 92 | 48 | *4·6* | *96* | 48 | 6·2 | 109 | 48 | 6·6 | 108 | 49 | 5·9 | 102 | 61 | *13·7* | *113* | 56 | 8·4 | 105 | 54 | 10·0 | 108 | 67 | 10·3 | 112 | 60 | 11·4 | 113 | 60 | 10·8 | 111 | 61 | 8·7 | 110 | 51 | 8·4 | 108 |
| 1906-1910 .. | 69 | 15·1 | 102 | 52 | 7·4 | 103 | 47 | 4·9 | 98 | 49 | *5·0* | *104* | 46 | 5·3 | 93 | 48 | 6·1 | 100 | 48 | 5·7 | 98 | 56 | 12·7 | 105 | 55 | 8·9 | 111 | 54 | 9·2 | 99 | 66 | 10·5 | 114 | 63 | 9·6 | 95 | 59 | 10·2 | 105 | 56 | 7·7 | 97 | 54 | 8·0 | 103 |
| **30 years average** .. | **67** | **14·8** | — | **52** | **7·2** | — | **47** | **5·0** | — | **47** | **4·8** | — | **46** | **5·7** | — | **45** | **6·1** | — | **47** | **5·8** | — | **56** | **12·1** | — | **52** | **8·0** | — | **52** | **9·3** | — | **61** | **9·2** | — | **55** | **10·1** | — | **55** | **9·7** | — | **57** | **7·9** | — | **51** | **7·8** | — |
| 1911 .. .. | 58 | 14·4 | 97 | 51 | 5·8 | 81 | 45 | 4·0 | 80 | 54 | 5·4 | 113 | 42 | 4·1 | 72 | 45 | 5·6 | 92 | 47 | 5·0 | 87 | 49 | 10·1 | 83 | 44 | 6·3 | 79 | 48 | 7·5 | 81 | 48 | 6·2 | 67 | 54 | 7·0 | 69 | 49 | 7·4 | 76 | 55 | 6·5 | 82 | 48 | 6·2 | 80 |
| 1912 .. .. | 67 | 12·1 | 82 | 64 | 7·7 | 107 | 59 | 6·5 | 130 | 58 | 6·8 | 142 | 57 | 9·0 | 158 | 58 | 9·1 | 149 | 59 | 7·8 | 134 | 62 | 13·2 | 109 | 60 | 9·6 | 120 | 70 | 13·6 | 146 | 58 | 10·3 | 112 | 72 | 12·9 | 128 | 64 | 11·9 | 123 | 61 | 11·4 | 144 | 62 | 9·9 | 127 |
| 1913 .. .. | 66 | 15·1 | 102 | 59 | 8·5 | 118 | 55 | 6·3 | 126 | 52 | 5·5 | 115 | 53 | 8·2 | 144 | 50 | 7·5 | 123 | 55 | 7·2 | 124 | 59 | 13·3 | 110 | 58 | 10·0 | 125 | 62 | 12·9 | 139 | 64 | 10·9 | 118 | 67 | 13·7 | 136 | 61 | 12·2 | 126 | 58 | 9·6 | 121 | 58 | 9·7 | 125 |
| 1914 .. .. | 68 | 16·2 | 110 | 57 | 8·8 | 122 | 54 | 4·7 | 93 | 52 | 6·7 | 140 | 51 | 5·9 | 103 | 53 | 9·4 | 154 | 53 | 7·1 | 122 | 65 | 14·5 | 120 | 58 | 9·5 | 119 | 60 | 12·8 | 138 | 68 | 12·0 | 131 | 72 | 13·8 | 136 | 65 | 12·5 | 129 | 63 | 10·8 | 137 | 58 | 9·8 | 126 |

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 30 years average in each district is shown in clarendon type.

**NOTE.—In previous years the values have been for periods of 13 weeks coinciding most nearly with the periods of three months January, February, March, etc. In the years 1880, 1886, 1890, 1896, 1902, 1908, 1913, the values for the fourth quarter refer to a period of 14 weeks. In 1914 the values refer to the period January 1st to March 31st.**

## TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 30 YEARS, 1881–1910.

| YEARS. | 0. Scotland, N. | | Eastern Districts. 1. Scotland, E. | | 2. England, N.E. | | 3. England, E. | | 4. Midland Counties. | | 5. England, S.E. | | Districts 1-5. | | Western Districts. 6. Scotland, W. | | 7. England, N.W. and N. Wales. | | 8. S. Wales and England, S.W. | | 9. Ireland, N. | | 10. Ireland, S. | | Districts, 6-10. | | 11. English Channel. | | Districts 1-10 combined. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. |
| Lustra.* 1881-1885 .. | *38·2* | *− 0·1* | *38·0* | *+ 0·1* | 39·4 | + 0·3 | 39·8 | + 0·8 | 39·9 | + 0·8 | 41·4 | + 1·0 | 39·7 | + 0·6 | *39·9* | *+ 0·1* | 40·5 | + 0·5 | 42·7 | + 1·2 | 41·3 | + 0·3 | 43·1 | + 0·5 | 41·5 | + 0·5 | 44·9 | + 0·4 | 40·6 | + 0·5 |
| 1886-1890 .. | *38·2* | *− 0·1* | 37·8 | − 0·1 | 38·3 | − 0·8 | 37·4 | − 1·6 | 37·8 | − 1·3 | 38·8 | − 1·6 | 38·0 | − 1·1 | 39·2 | − 0·6 | 38·9 | − 1·1 | 40·2 | − 1·3 | 40·5 | − 0·5 | 41·8 | − 0·8 | 40·1 | − 0·9 | 43·2 | − 1·3 | 39·1 | − 1·0 |
| 1891-1895 .. | 37·4 | − 0·9 | 36·8 | − 1·1 | 37·9 | − 1 2 | 37·6 | − 1·4 | 37·8 | − 1·3 | 39·0 | − 1·4 | 37·8 | − 1·3 | 38·7 | − 1·1 | 39·1 | − 0·9 | 40·4 | − 1·1 | 40·1 | − 0·9 | 41·7 | − 0·9 | 40·0 | − 1·0 | 43·5 | − 1·0 | 38·9 | − 1·2 |
| 1896-1900 .. | 38·7 | + 0·4 | 38·4 | + 0·5 | 39·9 | + 0·8 | 40·1 | + 1·1 | 40·1 | + 1·0 | 41·8 | + 1·4 | 40·1 | + 1·0 | 40·5 | + 0·7 | 41·1 | + 1·1 | 42·7 | + 1·2 | 41·5 | + 0·5 | 43·3 | + 0·7 | 41·8 | + 0·8 | 45·9 | + 1·4 | 41·0 | + 0·9 |
| 1901-1905 .. | 38·8 | + 0·5 | 38·3 | + 0·4 | 39·9 | + 0·8 | 40·1 | + 1·1 | 39·9 | + 0·8 | 41·2 | + 0·8 | 39·9 | + 0·8 | 40·4 | + 0·6 | 40·6 | + 0·6 | 42·2 | + 0·7 | 41·2 | + 0·2 | 42·9 | + 0·3 | 41·4 | + 0·4 | 45·1 | + 0·6 | 40·7 | + 0·6 |
| 1906-1910 .. | 38·3 | 0·0 | 37·8 | − 0·1 | 39·0 | − 0·1 | 39·2 | + 0·2 | 39·0 | − 0·1 | 40·0 | − 0·4 | 39·0 | − 0·1 | 39·9 | + 0·1 | 39·8 | − 0·2 | 40·9 | − 0·6 | 41·3 | + 0·3 | 42·7 | + 0·1 | 40·9 | − 0·1 | 44·4 | − 0·1 | 40·0 | − 0·1 |
| **30 years average** .. | **38·3** | — | **37·9** | — | **39·1** | — | **39·0** | — | **39·1** | — | **40·4** | — | **39·1** | — | **39·8** | — | **40·0** | — | **41·5** | — | **41·0** | — | **42·6** | — | **41·0** | — | **44·5** | — | **40·1** | — |
| 1911 .. .. | 39·8 | + 1·5 | 38·9 | + 1·0 | 40·0 | + 0·9 | 39·9 | + 0·9 | 39·8 | + 0·7 | 40·5 | + 0·1 | 39·8 | + 0·7 | 40·8 | + 1·0 | 41·6 | + 1·6 | 41·2 | − 0·3 | 41·7 | + 0·7 | 42·6 | 0·0 | 41·6 | + 0·6 | 44·0 | − 0·5 | 40·7 | + 0·6 |
| 1912 .. .. | 39·7 | + 1·4 | 39·0 | + 1·1 | 40·6 | + 1·5 | 42·2 | + 3·2 | 41·1 | + 2·0 | 43·3 | + 2·9 | 41·2 | + 2·1 | 40·6 | + 0·8 | 41·4 | + 1·4 | 43·4 | + 1·9 | 42·2 | + 1·2 | 44·0 | + 1·4 | 42·3 | + 1·3 | 46·8 | + 2·3 | 41·8 | + 1·7 |
| 1913 .. .. | 39·5 | + 1·2 | 38·3 | + 0·4 | 40·0 | + 0·9 | 41·7 | + 2·7 | 40·6 | + 1·5 | 42·7 | + 2·3 | 40·7 | + 1·6 | 40·4 | + 0·6 | 41·2 | + 1·2 | 42·8 | + 1·3 | 41·7 | + 0·7 | 42·8 | + 0·2 | 41·8 | + 0·8 | 46·1 | + 1·6 | 41·3 | + 1·2 |
| 1914 .. .. | 39·9 | + 1·3 | 39·0 | + 1·1 | 41·6 | + 2·5 | 41·7 | + 2·7 | 41·5 | + 2·4 | 42·1 | + 1·7 | 41·2 | + 2 1 | 41·1 | + 1·3 | 42·3 | + 2·3 | 42·8 | + 1·3 | 42·1 | + 1·1 | 43·5 | + 0·9 | 42·4 | + 1·4 | 45·2 | + 0·7 | 41·8 | + 1·7 |

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes.

## TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, AND DAILY MEANS, WITH PERCENTAGES OF AVERAGE FOR 30 YEARS, 1881–1910.

| — | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % |
| Lustra.* 1881-1885 .. | *·17* | 1·9 | *94* | *·24* | 2·6 | *104* | *·22* | 2·4 | *89* | ·25 | 2·7 | 97 | ·22 | 2·4 | 99 | ·25 | 2·7 | 97 | ·24 | 2·6 | 97 | ·19 | 2·1 | 93 | ·19 | 2·1 | 86 | *·24* | 2·6 | *94* | ·22 | 2·4 | 101 | ·25 | 2·7 | 101 | ·22 | 2·4 | 94 | ·32 | 3·5 | 103 | ·23 | 2·5 | 96 |
| 1886-1890 .. | *·16* | 1·8 | *92* | ·21 | 2·3 | 93 | *·23* | 2·5 | *94* | ·23 | 2·5 | 88 | ·20 | 2·2 | 88 | ·20 | 2·2 | 79 | ·21 | 2·3 | 88 | ·20 | 2·2 | 96 | ·21 | 2·3 | 94 | *·24* | 2·6 | *92* | ·20 | 2·2 | 91 | ·25 | 2·7 | 102 | ·22 | 2·4 | 9- | ·30 | 3·3 | 98 | ·22 | 2·4 | 91 |
| 1891-1895 .. | *·21* | 2·3 | *117* | *·26* | 2·9 | *114* | *·29* | 3·2 | *119* | ·29 | 3·2 | 112 | ·27 | 3·0 | 118 | ·30 | 3·3 | 117 | ·28 | 3·1 | 116 | ·24 | 2·6 | 117 | *·24* | 2·6 | *109* | *·30* | 3·3 | *118* | ·24 | 2·6 | 111 | ·27 | 3·0 | 110 | ·26 | 2·9 | 113 | ·36 | 3·9 | 116 | ·27 | 3·0 | 115 |
| 1896-1900 .. | ·18 | 2·0 | 100 | *·22* | 2·4 | *98* | ·23 | 2·5 | *96* | ·25 | 2·7 | 96 | ·22 | 2·4 | 95 | ·24 | 2·6 | 96 | ·23 | 2·5 | 96 | ·20 | 2·2 | 98 | ·22 | 2·4 | 99 | *·24* | 2·6 | *94* | ·22 | 2·4 | 104 | ·25 | 2·7 | 100 | ·23 | 2·5 | 98 | ·28 | 3·1 | 89 | ·23 | 2·5 | 97 |
| 1901-1905 .. | ·16 | 1·8 | 91 | ·19 | 2·1 | 82 | ·22 | 2·4 | 89 | ·25 | 2·7 | 96 | ·19 | 2·1 | 87 | ·24 | 2·6 | 94 | ·22 | 2·4 | 90 | ·19 | 2·1 | 91 | ·21 | 2·3 | 95 | *·23* | 2·5 | *90* | ·20 | 2·2 | 94 | ·22 | 2·4 | 90 | ·21 | 2·3 | 91 | ·27 | 3·0 | 87 | ·22 | 2·4 | 91 |
| 1906-1910 .. | ·19 | 2·1 | 106 | ·25 | 2·7 | 109 | ·28 | 3·1 | 114 | ·28 | 3·1 | 111 | ·26 | 2·9 | 115 | ·30 | 3·3 | 117 | ·27 | 3·0 | 113 | 22 | 2·4 | 105 | ·26 | 2·9 | 119 | ·29 | 3·2 | 112 | ·22 | 2·4 | 100 | ·24 | 2·6 | 97 | ·25 | 2·7 | 106 | ·33 | 3·6 | 107 | ·26 | 2·9 | 109 |
| **30 years average** .. | **·18** | **2·0** | — | **·23** | **2·5** | — | **·24** | **2·6** | — | **·26** | **2·9** | — | **·23** | **2·5** | — | **·25** | **2·7** | — | **·24** | **2·6** | — | **·21** | **2·3** | — | **·22** | **2·4** | — | **·26** | **2·9** | — | **·22** | **2·4** | — | **·25** | **2·7** | — | **·23** | **2·5** | — | **·31** | **3·4** | — | **·24** | **2·6** | — |
| 1911 .. .. | ·20 | 2·2 | 113 | ·23 | 2·5 | 101 | ·21 | 2·3 | 88 | ·23 | 2·5 | 88 | ·20 | 2·2 | 86 | ·24 | 2·6 | 94 | ·22 | 2·4 | 91 | ·22 | 2·4 | 103 | ·23 | 2·5 | 104 | ·24 | 2·6 | 95 | ·24 | 2·6 | 112 | ·26 | 2·9 | 103 | ·24 | 2·6 | 103 | ·27 | 3·0 | 87 | ·23 | 2·5 | 97 |
| 1912 .. .. | ·20 | 2·2 | 109 | ·19 | 2·2 | 85 | ·19 | 2·0 | 76 | ·18 | 2·0 | 70 | ·17 | 1·8 | 73 | ·19 | 2·0 | 73 | ·18 | 2·0 | 75 | ·18 | 2·0 | 88 | ·19 | 2·7 | 87 | ·20 | 2·2 | 76 | ·20 | 2·3 | 94 | ·23 | 2·5 | 94 | ·22 | 2·2 | 87 | ·24 | 2·6 | 77 | ·20 | 2·1 | 81 |
| 1913 .. .. | ·15 | 1·6 | 81 | ·19 | 2·1 | 82 | ·20 | 2·2 | 81 | ·22 | 2·5 | 87 | ·18 | 2·0 | 81 | ·23 | 2·6 | 92 | ·23 | 2·3 | 85 | ·17 | 1·8 | 80 | ·20 | 2·2 | 90 | ·22 | 2·4 | 84 | ·19 | 2·1 | 87 | ·20 | 2·2 | 82 | ·20 | 2·1 | 85 | ·2 | 3·0 | 87 | ·20 | 2·2 | 85 |
| 1914 .. .. | ·17 | 1·9 | 98 | ·21 | 2·3. | 91 | ·21 | 2·3 | 87 | ·25 | 2·7 | 97 | ·18 | 2·0 | 80 | ·25 | 2 7 | 95 | ·22 | 2·4 | 90 | ·16 | 1·8 | 78 | ·19 | 2·1 | 86 | ·20 | 2·2 | 78 | ·17 | 1·9 | 78 | ·21 | 2·3 | 84 | ·19 | 2·1 | 8- | ·16 | 2·8 | 81 | ·20 | 2·2 | 86 |

Meteorological Office, South Kensington, London, S.W.
*May*, 1914.

W. N. SHAW,
*Director.*

(1992—11.) Wt. 229—611. 450. 8/14. D & S. G. 17/37.

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT, 1914. SECOND QUARTER (APRIL, MAY, JUNE)

Thirty-seventh Year.
VOL. XXXI. [*New Series.*] } APPENDIX I.

## A DRY AND SUNNY QUARTER : A WARM APRIL, WITH MODERATE TEMPERATURE LATER.

[*Price* 4*d.*

## SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-FOUR YEARS, 1881–1914.

### TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 30 YEARS, 1881–1910.

| YEARS. | 0. SCOTLAND, N. | | | Eastern Districts. 1. SCOTLAND, E. | | | 2. ENGLAND, N.E. | | | 3. ENGLAND, E. | | | 4. MIDLAND COUNTIES. | | | 5. ENGLAND, S.E. | | | DISTRICTS 1-5. | | | Western Districts. 6. SCOTLAND, W. | | | 7. ENGLAND, N.W. AND N. WALES. | | | 8. S. WALES AND ENGLAND, S.W. | | | 9. IRELAND, N. | | | 10. IRELAND, S. | | | DISTRICTS 6-10. | | | 11. ENGLISH CHANNEL. | | | DISTRICTS 1-10 COMBINED. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. |
| | | In. | % | | In. | % | | n. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % |
| LUSTRA.* 1881-1885 .. | 51 | *8·5* | *100* | 44 | *6·4* | *102* | 43 | 5·8 | 107 | 39 | 5·9 | 107 | 41 | 6·5 | 108 | 38 | 5·6 | 104 | 41 | 6·0 | 105 | 47 | *8·4* | *98* | 42 | 7·0 | 103 | 44 | 7·2 | 104 | 42 | 7·2 | 95 | 46 | 7·7 | 100 | 46 | 7·5 | 100 | 45 | 5·6 | 100 | 44 | 6·8 | 103 |
| 1886-1890 .. | 54 | 7·7 | *91* | 43 | 6·0 | 94 | 40 | 4·8 | 89 | 41 | 5·1 | 93 | 41 | 6·4 | 107 | 40 | 5·7 | 106 | 41 | 5·6 | 98 | 45 | 8·8 | 102 | 41 | 6·5 | 96 | 42 | 6·5 | 94 | 46 | 7·1 | 93 | 46 | 7·5 | 97 | 44 | 7·3 | 97 | 46 | 5·9 | 105 | 43 | 6·5 | 98 |
| 1891-1895 .. | 48 | 7·1 | 84 | 42 | 5·5 | 87 | 40 | 5·2 | 96 | 36 | 4·8 | 87 | 35 | 5·1 | 86 | 32 | 3·8 | 70 | 37 | 4·9 | 86 | 42 | 6·7 | 78 | 40 | 6·0 | 88 | 35 | 5·3 | 77 | 47 | 6·6 | 87 | 41 | 7·1 | 92 | 41 | 6·3 | 84 | 36 | 4·7 | 84 | 39 | 5·6 | 85 |
| 1896-1900 .. | 54 | 8·9 | 105 | 48 | 6·9 | 110 | 42 | 5·4 | 100 | 40 | 5·4 | 98 | 40 | 5·8 | 97 | 37 | 5·0 | 93 | 42 | 5·7 | 100 | 50 | *9·4* | *109* | 45 | 7·3 | 107 | 41 | 7·3 | 106 | 55 | 9·1 | 120 | 47 | 8·5 | 110 | 48 | 8·3 | 111 | 42 | 5·6 | 100 | 45 | 7·0 | 106 |
| 1901-1905 .. | 54 | 9·1 | 107 | 48 | 5·9 | 94 | 40 | 5·0 | 93 | 39 | 5·7 | 104 | 40 | 5·7 | 95 | 39 | 6·1 | 113 | 41 | 5·7 | 100 | 46 | *8·6* | *100* | 44 | 5·9 | 87 | 41 | 7·3 | 106 | 53 | 7·1 | 93 | 46 | 7·2 | 94 | 46 | 7·2 | 96 | 45 | 6·2 | 111 | 44 | 6·4 | 97 |
| 1906-1910 .. | 59 | 9·7 | 114 | 52 | 7·2 | 114 | 47 | 6·1 | 113 | 43 | 6·2 | 113 | 46 | 6·7 | 112 | 43 | 6·4 | 119 | 46 | 6·5 | 114 | 51 | 9·7 | 113 | 50 | 7·9 | 116 | 48 | 8·0 | 116 | 58 | 8·7 | 114 | 56 | 8·3 | 108 | 53 | 8·6 | 115 | 41 | 5·6 | 100 | 50 | 7·5 | 114 |
| **30 years average** .. | **53** | **8·5** | — | **46** | **6·3** | — | **42** | **5·4** | — | **40** | **5·5** | — | **41** | **6·0** | — | **38** | **5·4** | — | **41** | **5·7** | — | **47** | **8·6** | — | **44** | **6·8** | — | **42** | **6·9** | — | **52** | **7·6** | — | **47** | **7·7** | — | **46** | **7·5** | — | **43** | **5·6** | — | **44** | **6·6** | — |
| 1911 .. .. | 48 | 9·6 | 113 | 45 | 6·5 | 103 | 37 | 6·2 | 115 | 33 | 4·9 | 89 | 31 | 4·2 | 70 | 30 | 4·4 | 81 | 35 | 5·2 | 91 | 42 | 8·8 | 102 | 38 | 7·2 | 106 | 35 | 6·4 | 93 | 40 | 6·2 | 82 | 44 | 7·0 | 91 | 40 | 7·1 | 95 | 34 | 5·3 | 95 | 38 | 6·2 | 94 |
| 1912 .. .. | 56 | 11·1 | 131 | 48 | 6·1 | 97 | 43 | 7·7 | 143 | 36 | 3·8 | 69 | 38 | 6·8 | 113 | 31 | 4·8 | 89 | 39 | 5·8 | 102 | 50 | 9·3 | 108 | 43 | 6·9 | 101 | 40 | 7·5 | 109 | 48 | 7·5 | 96 | 53 | 8·6 | 112 | 47 | 8·0 | 107 | 46 | 5·1 | 91 | 43 | 6·9 | 105 |
| 1913 .. .. | 57 | 10·8 | 127 | 48 | 7·0 | 111 | 44 | 6·1 | 113 | 38 | 4·8 | 87 | 44 | 6·5 | 108 | 38 | 5·4 | 100 | 42 | 6·0 | 105 | 58 | 10·6 | 123 | 52 | 8·7 | 123 | 50 | 9·1 | 132 | 63 | 10·6 | 139 | 62 | 11·6 | 151 | 57 | 10·1 | 135 | 49 | 6·2 | 111 | 50 | 8·0 | 121 |
| 1914 .. .. | 53 | 9·1 | 107 | 38 | 5·0 | 79 | 32 | 4·9 | 91 | 33 | 3·8 | 69 | 32 | 4·6 | 77 | 28 | 3·6 | 67 | 33 | 4·4 | 77 | 43 | 5·5 | 64 | 36 | 4·7 | 69 | 34 | 5·8 | 84 | 43 | 5·7 | 75 | 39 | 4·3 | 56 | 39 | 5·2 | 69 | 29 | 4·8 | 86 | 36 | 4·8 | 73 |

* The values for each year from 1878 (1881 for Sunshine) to 1911 are published in Appendix I. to the Weekly Weather Report for 1911.

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 30 years average in each district is shown in clarendon type.

**NOTE.—In previous years the values have been for periods of 13 weeks coinciding most nearly with the periods of three months January, February, March, etc. In the years 1880, 1886, 1890, 1896, 1902, 1908, 1913, the values for the fourth quarter refer to a period of 14 weeks. In 1914 the values refer to the period January 1st to March 31st.**

## TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 30 YEARS, 1881–1910.

| LUSTRA. / YEARS. | 0. Scotland, N. | | Eastern Districts. 1. Scotland, E. | | 2. England, N.E. | | 3. England, E. | | 4. Midland Counties. | | 5. England, S.E. | | Districts 1-5. | | Western Districts. 6. Scotland, W. | | 7. England, N.W. and N. Wales. | | 8. S. Wales and England, S.W. | | 9. Ireland, N. | | 10. Ireland, S. | | Districts, 6-10. | | 11. English Channel. | | Districts 1-10 combined. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. |
| 1881-1885 | *47·6* | *0·0* | *48·3* | *− 0·1* | 49·6 | 0·0 | 51·4 | + 0·1 | 51·2 | + 0·1 | 52·5 | + 0·1 | 50·6 | 0·0 | *49·5* | *− 0·4* | 50·4 | − 0·3 | 51·1 | − 0·5 | 50·2 | − 0·1 | 51·1 | − 0·6 | 50·5 | − 0·3 | 52·4 | − 0·7 | 50·6 | − 0·1 |
| 1886-1890 | *47·7* | *+ 0·1* | 48·6 | + 0·2 | 49·1 | − 0·5 | 51·0 | − 0·3 | 50·9 | − 0·2 | 52·2 | − 0·2 | 50·4 | − 0·2 | 49·7 | − 0·2 | 50·4 | − 0·3 | 51·4 | − 0·2 | 50·3 | 0·0 | 51·6 | − 0·1 | 50·7 | − 0·1 | 52·5 | − 0·8 | 50·5 | − 0·2 |
| 1891-1895 | 48·2 | + 0·6 | 48·9 | + 0·3 | 49·7 | + 0·1 | 51·5 | + 0·2 | 51·8 | + 0·7 | 53·2 | + 0·8 | 51·0 | + 0·4 | 50·5 | + 0·6 | 51·5 | + 0·8 | 52·5 | + 0·9 | 51·3 | + 1·0 | 52·6 | + 0·9 | 51·7 | + 0·9 | 54·0 | + 0·9 | 51·4 | + 0·7 |
| 1896-1900 | 48·0 | + 0·2 | 48·9 | + 0·5 | 49·9 | + 0·3 | 51·5 | + 0·2 | 51·4 | + 0·3 | 52·9 | + 0·5 | 50·9 | + 0·3 | 50·4 | + 0·5 | 51·4 | + 0·7 | 52·4 | + 0·8 | 50·9 | + 0·6 | 52·5 | + 0·8 | 51·5 | + 0·7 | 53·6 | + 0·5 | 51·2 | + 0·5 |
| 1901-1905 | 47·4 | − 0·2 | 48·0 | − 0·4 | 49·6 | 0·0 | 51·1 | − 0·2 | 50·5 | − 0·6 | 51·8 | − 0·6 | 50·2 | − 0·4 | 49·6 | − 0·3 | 50·5 | − 0·2 | 51·5 | − 0·1 | 49·9 | − 0·4 | 51·5 | − 0·2 | 50·6 | − 0·2 | 53·1 | 0·0 | 50·4 | − 0·3 |
| 1906-1910 | 46·9 | − 0·7 | 47·6 | − 0·8 | 49·8 | + 0·2 | 51·3 | 0·0 | 50·8 | − 0·3 | 51·7 | − 0·7 | 50·4 | − 0·2 | 49·4 | − 0·5 | 50·1 | − 0·6 | 50·9 | − 0·7 | 49·4 | − 0·9 | 51·1 | − 0·6 | 50·2 | − 0·6 | 52·8 | − 0·3 | 50·3 | − 0·4 |
| **30 years average** | **47·6** | — | **48·4** | — | **49·6** | — | **51·3** | — | **51·1** | — | **52·4** | — | **50·6** | — | **49·9** | — | **50·7** | — | **51·6** | — | **50·3** | — | **51·7** | — | **50·8** | — | **53·1** | — | **50·7** | — |
| 1911 | 48·7 | + 1·1 | 49·8 | + 1·4 | 51·5 | + 1·9 | 52·9 | + 1·6 | 52·7 | + 1·6 | 52·9 | + 0·5 | 53·0 | + 1·4 | 51·1 | + 1·2 | 52·0 | + 1·3 | 52·6 | + 1·0 | 50·9 | + 0·6 | 52·8 | + 1·1 | 51·9 | + 1·1 | 53·6 | + 0·5 | 52·0 | + 1·3 |
| 1912 | 48·0 | + 0·4 | 49·0 | + 0·6 | 50·8 | + 1·2 | 53·1 | + 1·8 | 52·2 | + 1·1 | 53·2 | + 0·8 | 51·7 | + 1·1 | 50·6 | + 0·7 | 51·3 | + 0·6 | 52·3 | + 0·7 | 50·8 | + 0·5 | 52·2 | + 0·5 | 51·4 | + 0·6 | 54·7 | + 1·6 | 51·6 | + 0·9 |
| 1913 | 47·7 | + 0·1 | 48·1 | − 0·3 | 50·3 | + 0·7 | 52·2 | + 0·9 | 51·2 | + 0·1 | 52·3 | − 0·1 | 50·8 | + 0·2 | 49·5 | − 0·4 | 50·5 | − 0·2 | 51·2 | − 0·4 | 49·1 | − 1·2 | 50·4 | − 1·3 | 50·1 | − 0·7 | 52·3 | − 0·8 | 50·5 | − 0·2 |
| 1914 | 48·8 | + 1·2 | 49·9 | + 1·5 | 51·7 | + 2·1 | 52·8 | + 1·5 | 52·7 | + 1·6 | 53·6 | + 1·2 | 52·1 | + 1·5 | 51·0 | + 1·1 | 51·7 | + 1·0 | 33·2 | + 1·6 | 50·9 | + 0·6 | 52·9 | + 1·2 | 51·9 | + 1·1 | 54·4 | + 1·3 | 52·0 | + 1·3 |

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes. (Page [V.] 1911.)

## TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, AND DAILY MEANS, WITH PERCENTAGES OF AVERAGE FOR 30 YEARS, 1881–1910.

| LUSTRA. / — | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % |
| 1881-1885 | *·45* | 4·9 | *98* | ·50 | 5·5 | *98* | *·56* | 6·1 | *105* | ·60 | 6·6 | 104 | ·52 | 5·8 | 100 | ·58 | 6·4 | 98 | ·55 | 6·1 | 101 | ·54 | 5·9 | 100 | ·54 | 6·0 | 99 | *·57* | 6·2 | *98* | ·50 | 5·5 | 101 | ·56 | 6·1 | 103 | ·54 | 6·0 | 100 | ·70 | 7·7 | 102 | ·54 | 6·0 | 100 |
| 1886-1890 | *·41* | 4·5 | *89* | ·51 | 5·6 | 100 | *·49* | 5·4 | *92* | ·53 | 5·9 | 92 | ·48 | 5·2 | 91 | ·53 | 5·8 | 90 | ·51 | 5·5 | 93 | ·53 | 5·9 | 99 | ·50 | 5·5 | 92 | *·55* | 6·0 | *95* | ·49 | 5·4 | 98 | ·54 | 5·9 | 100 | ·52 | 5·7 | 97 | ·64 | 7·0 | 94 | ·52 | 5·7 | 95 |
| 1891-1895 | *·51* | 5·6 | *110* | ·55 | 6·0 | *108* | *·57* | 6·3 | *107* | ·59 | 6·4 | 102 | ·56 | 6·2 | 108 | ·64 | 7·0 | 108 | ·58 | 6·4 | 106 | ·56 | 6·1 | 104 | *·55* | 6·1 | *101* | *·63* | 6·9 | *108* | ·52 | 5·7 | 104 | ·56 | 6·1 | 103 | ·56 | 6·2 | 114 | ·75 | 8·3 | 111 | ·57 | 6·3 | 105 |
| 1896-1900 | *·47* | 5·2 | *102* | ·50 | 5·5 | *98* | *·51* | 5·6 | *96* | ·57 | 6·2 | 98 | ·53 | 5·8 | 101 | ·59 | 6·5 | 100 | ·51 | 5·9 | 99 | ·53 | 5·9 | 99 | ·57 | 6·3 | 104 | *·60* | 6·6 | *103* | ·49 | 5·4 | 98 | ·54 | 5·9 | 99 | ·55 | 6·0 | 101 | ·69 | 7·5 | 101 | ·54 | 6·0 | 100 |
| 1901-1905 | ·48 | 5·3 | 104 | ·51 | 5·6 | 100 | *·56* | 6·2 | *105* | ·59 | 6·5 | 102 | ·52 | 5·7 | 99 | ·59 | 6·4 | 100 | ·55 | 6·1 | 101 | ·55 | 6·1 | 102 | ·59 | 6·4 | 107 | *·56* | 6·2 | *97* | ·52 | 5·7 | 104 | ·54 | 5·9 | 100 | ·55 | 6·1 | 102 | ·66 | 7·2 | 96 | ·55 | 6·1 | 101 |
| 1906-1910 | ·45 | 4·9 | 97 | ·49 | 5·4 | 96 | ·50 | 5·5 | 94 | ·59 | 6·4 | 102 | ·51 | 5·6 | 97 | ·61 | 6·7 | 103 | ·54 | 5·9 | 98 | 52 | 5·7 | 96 | ·53 | 5·8 | 96 | ·57 | 6·2 | 98 | ·47 | 5·2 | 95 | ·51 | 5·6 | 95 | ·52 | 5·7 | 96 | ·65 | 7·1 | 95 | ·53 | 5·8 | 97 |
| **30 years average** | **·46** | **5·1** | — | **·51** | **5·6** | — | **·52** | **5·9** | — | **·58** | **6·3** | — | **·52** | **5·7** | — | **·59** | **6·5** | — | **·55** | **6·0** | — | **·54** | **5·9** | — | **·54** | **5·9** | — | **·58** | **6·4** | — | **·50** | **5·5** | — | **·54** | **5·9** | — | **·54** | **5·9** | — | **·68** | **7·5** | — | **·55** | **6·0** | — |
| 1911 | ·48 | 5·3 | 105 | ·55 | 6·0 | 108 | ·55 | 6·0 | 103 | ·62 | 6·8 | 102 | ·53 | 5·8 | 101 | ·64 | 7·0 | 108 | ·58 | 6·3 | 105 | ·59 | 6·5 | 109 | ·59 | 6·4 | 107 | ·63 | 6·9 | 109 | ·56 | 6·2 | 113 | ·56 | 6·2 | 104 | ·59 | 6·4 | 108 | ·70 | 7·7 | 103 | ·58 | 6·4 | 107 |
| 1912 | ·40 | 4·3 | 86 | ·42 | 4·6 | 82 | ·48 | 5·2 | 90 | ·62 | 6·8 | 107 | ·50 | 5·5 | 96 | ·64 | 7·0 | 109 | ·53 | 5·8 | 97 | ·48 | 5·2 | 89 | ·51 | 5·6 | 93 | ·53 | 5·8 | 91 | ·42 | 4·7 | 85 | ·50 | 5·4 | 93 | ·49 | 5·3 | 90 | ·69 | 7·5 | 101 | ·51 | 5·5 | 94 |
| 1913 | ·39 | 4·3 | 84 | ·46 | 5·0 | 90 | ·47 | 5·1 | 87 | ·52 | 5·8 | 91 | ·46 | 5·0 | 89 | ·54 | 6·0 | 92 | ·49 | 5·4 | 90 | ·41 | 4·5 | 76 | ·43 | 5·3 | 88 | ·48 | 5·3 | 83 | ·41 | 4·5 | 82 | ·46 | 5·0 | 85 | ·44 | 4·8 | 81 | ·53 | 5·8 | 78 | ·46 | 5·1 | 85 |
| 1914 | ·42 | 4·7 | 92 | ·57 | 6·2 | 111 | ·62 | 6·8 | 116 | ·69 | 7·5 | 120 | ·62 | 6·8 | 120 | ·72 | 7·9 | 122 | ·64 | 7·1 | 118 | ·54 | 6·0 | 101 | ·59 | 6·5 | 108 | ·65 | 7·2 | 112 | ·50 | 5·5 | 101 | ·59 | 6·5 | 109 | ·57 | 6·3 | 106 | ·68 | 7·5 | 100 | ·61 | 6·7 | 112 |

Meteorological Office, South Kensington, London, S.W.
*July* 24, 1914.

W. N. SHAW,
*Director.*

# FOR OFFICIAL USE.

## WEEKLY WEATHER REPORT, 1914. THIRD QUARTER (JULY, AUGUST, SEPTEMBER).

Thirty-seventh Year.
VOL. XXXI. [*New Series.*] } APPENDIX I.

A FAIR QUARTER : DRY IN THE NORTH AND EAST.

[*Price 4d.*

### SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-FOUR YEARS, 1881–1914.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 30 YEARS, 1881–1910.

**Eastern Districts.**

| YEARS. | 0. SCOT-LAND, N. Days. | Amount. | Per cent. of average. | 1. SCOT-LAND, E. Days. | Amount. | Per cent. of average. | 2. ENGLAND, N.E. Days. | Amount. | Per cent. of average. | 3. ENGLAND, E. Days. | Amount. | Per cent. of average. | 4. MIDLAND COUNTIES. Days. | Amount. | Per cent. of average. | 5. ENGLAND, S.E. Days. | Amount. | Per cent. of average. | DISTRICTS 1-5. Days. | Amount. | Per cent. of average. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | % | | In. | % | | n. | % | | In. | % | | In. | % | | In. | % | | In. | % |
| LUSTRA.* 1881-1885 .. | 56 | *10·2* | *86* | 51 | *9·3* | *111* | 46 | 7·3 | 107 | 45 | *7·0* | *109* | 45 | 7·5 | 109 | 44 | 6·6 | 100 | 46 | 7·5 | 107 |
| 1886-1890 .. | 60 | *11·5* | *97* | 51 | 7·6 | 99 | 46 | 7·6 | 112 | 45 | *6·9* | *108* | 43 | 6·8 | 99 | 40 | 6·9 | 105 | 45 | 7·2 | 103 |
| 1891-1895 .. | 65 | 14·2 | 119 | 53 | 9·3 | 111 | 47 | 7·3 | 107 | 45 | *7·2* | *113* | 45 | 7·0 | 101 | 45 | 8·1 | 103 | 47 | 7·8 | 111 |
| 1896-1900 .. | 58 | 12·8 | 108 | 50 | 8·1 | 96 | 39 | 6·2 | 91 | 35 | *5·4* | *84* | 38 | 6·2 | 90 | 33 | 5·6 | 85 | 39 | 6·3 | 90 |
| 1901-1905 .. | 63 | 12·0 | 101 | 53 | 8·0 | 95 | 42 | 6·6 | 97 | 36 | *6·3* | *98* | 40 | 7·5 | 109 | 39 | 7·0 | 106 | 42 | 7·1 | 101 |
| 1906-1910 .. | 59 | 10·5 | 88 | 49 | 8·0 | 95 | 43 | 5·8 | 85 | 40 | 5·3 | 83 | 41 | 6·3 | 91 | 37 | 5·6 | 85 | 42 | 6·2 | 89 |
| **30 years average** .. | **60** | **11·9** | — | **51** | **8·4** | — | **44** | **6·8** | — | **41** | **6·4** | — | **42** | **6·9** | — | **40** | **6·6** | — | **44** | **7·0** | — |
| 1911 .. .. | 57 | 11·6 | 97 | 40 | 4·2 | 50 | 32 | 4·7 | 69 | 26 | 3·1 | 48 | 25 | 3·6 | 52 | 22 | 2·7 | 41 | 29 | 3·7 | 53 |
| 1912 .. .. | 48 | 9·9 | 83 | 43 | 8·8 | 105 | 51 | 9·2 | 135 | 48 | 10·7 | 167 | 46 | 10·0 | 145 | 44 | 7·7 | 117 | 46 | 9·3 | 133 |
| 1913 .. .. | 42 | 5·2 | 44 | 36 | 4·6 | 55 | 34 | 4·1 | 60 | 36 | 4·7 | 73 | 31 | 4·5 | 65 | 34 | 5·6 | 85 | 34 | 4·7 | 67 |
| 1914 .. .. | 55 | 10·0 | 84 | 42 | 6·9 | 82 | 36 | 6·2 | 91 | 36 | 4·3 | 67 | 40 | 6·6 | 96 | 35 | 5·5 | 83 | 38 | 5·9 | 84 |

**Western Districts.**

| YEARS. | 6. SCOT-LAND, W. Days. | Amount. | Per cent. of average. | 7. ENGLAND, N.W. AND N. WALES. Days. | Amount. | Per cent. of average. | 8. S. WALES AND ENGLAND, S.W. Days. | Amount. | Per cent. of average. | 9. IRELAND, N. Days. | Amount. | Per cent. of average. | 10. IRELAND, S. Days. | Amount. | Per cent. of average. | DISTRICTS 6-10. Days. | Amount. | Per cent. of average. | 11. ENGLISH CHANNEL. Days. | Amount. | Per cent. of average. | DISTRICTS 1-10 COMBINED. Days. | Amount. | Per cent. of average. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % |
| LUSTRA.* 1881-1885 .. | 53 | *12·3* | *103* | 49 | 9·8 | 104 | 52 | 10·0 | 110 | 60 | 10·3 | 102 | 53 | 10·2 | 105 | 53 | 10·5 | 104 | 54 | 7·6 | 107 | 50 | 9·0 | 105 |
| 1886-1890 .. | 51 | 10·9 | 91 | 47 | 9·3 | 99 | 46 | 9·1 | 100 | 58 | 10·3 | 102 | 50 | 9·1 | 94 | 50 | 9·7 | 96 | 46 | 7·1 | 100 | 48 | 8·5 | 99 |
| 1891-1895 .. | 52 | 12·3 | 103 | 50 | 10·7 | 114 | 49 | 10·4 | 114 | 60 | 10·4 | 103 | 51 | 10·4 | 107 | 52 | 10·8 | 107 | 48 | 8·9 | 124 | 50 | 9·3 | 108 |
| 1896-1900 .. | 55 | *12·2* | *102* | 46 | 9·4 | 100 | 42 | 8·1 | 89 | 56 | 10·0 | 99 | 48 | 10·1 | 104 | 49 | 10·0 | 99 | 42 | 6·3 | 88 | 44 | 8·2 | 95 |
| 1901-1905 .. | 51 | *13·0* | *108* | 49 | 8·4 | 90 | 46 | 9·1 | 100 | 61 | 10·8 | 107 | 52 | 10·2 | 105 | 52 | 10·3 | 102 | 49 | 7·4 | 103 | 47 | 8·7 | 101 |
| 1906-1910 .. | 49 | 11·4 | 95 | 48 | 8·9 | 95 | 43 | 8·0 | 88 | 54 | 9·0 | 89 | 52 | 8·2 | 85 | 49 | 9·1 | 90 | 38 | 5·0 | 70 | 45 | 7·7 | 90 |
| **30 years average** .. | **52** | **12·0** | — | **48** | **9·4** | — | **46** | **9·1** | — | **58** | **10·1** | — | **51** | **9·7** | — | **51** | **10·1** | — | **46** | **7·1** | — | **48** | **8·6** | — |
| 1911 .. .. | 49 | 8·0 | 67 | 37 | 7·7 | 82 | 27 | 5·3 | 58 | 46 | 7·2 | 71 | 42 | 8·5 | 88 | 40 | 7·3 | 72 | 25 | 4·8 | 68 | 35 | 5·5 | 64 |
| 1912 .. .. | 44 | 9·6 | 80 | 51 | 10·7 | 114 | 50 | 12·4 | 136 | 47 | 9·5 | 94 | 55 | 10·2 | 105 | 49 | 10·5 | 104 | 52 | 11·7 | 165 | 47 | 9·9 | 115 |
| 1913 .. .. | 33 | 5·7 | 48 | 34 | 6·2 | 66 | 32 | 5·4 | 59 | 43 | 6·1 | 60 | 41 | 6·2 | 64 | 37 | 5·9 | 58 | 33 | 4·5 | 63 | 36 | 5·3 | 62 |
| 1914 .. .. | 44 | 9·4 | 78 | 42 | 9·5 | 101 | 46 | 10·7 | 118 | 52 | 8·3 | 82 | 57 | 11·3 | 116 | 48 | 9·8 | 98 | 46 | 8·9 | 125 | 43 | 7·9 | 91 |

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 30 years average in each district is shown in clarendon type.

**NOTE.—In previous years the values have been for periods of 13 weeks coinciding most nearly with the periods of three months January, February, March, etc. In the years 1880, 1886, 1890, 1896, 1902, 1908, 1913, the values for the fourth quarter refer to a period of 14 weeks. In 1914 the values refer to the period July 1st to September 30th.**

(3003—19.) Wt. 229—611. 450. 11/14. D & S. G. 17/ 37.

## TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 30 YEARS, 1881–1910.

| YEARS. | | 0. Scotland, N. | | Eastern Districts. 1. Scotland, E. | | 2. England, N.E. | | 3. England, E. | | 4. Midland Counties. | | 5. England, S.E. | | Districts 1-5. | | Western Districts. 6. Scotland, W. | | 7. England, N.W. and N. Wales. | | 8. S. Wales and England, S.W. | | 9. Ireland, N. | | 10. Ireland, S. | | Districts, 6-10. | | 11. English Channel. | | Districts 1-10 combined. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. |
| Lustra | 1881-1885 .. | *53·7* | *0·0* | *54·8* | *− 0·1* | 56·9 | − 0·2 | 58·5 | − 0·4 | 57·7 | − 0·3 | 59·5 | − 0·3 | 57·5 | − 0·2 | *55·5* | *− 0·2* | 56·8 | − 0·5 | 57·7 | − 0·7 | 55·8 | − 0·3 | 56·8 | − 0·8 | 56·5 | − 0·5 | 59·5 | − 1·2 | 57·0 | − 0·4 |
| | 1886-1890 .. | *52·9* | *− 0·8* | 54·5 | − 0·4 | 56·3 | − 0·8 | 58·2 | − 0·7 | 57·4 | − 0·6 | 59·2 | − 0·6 | 57·1 | − 0·6 | 55·0 | − 0·7 | 56·6 | − 0·7 | 57·8 | − 0·6 | 55·7 | − 0·4 | 57·2 | − 0·4 | 56·5 | − 0·5 | 59·8 | − 0·9 | 56·8 | − 0·6 |
| | 1891-1895 .. | 53·8 | + 0·1 | 55·1 | + 0·2 | 56·9 | − 0·2 | 58·6 | − 0·3 | 57·8 | − 0·2 | 59·8 | 0·0 | 57·6 | − 0·1 | 55·7 | 0·0 | 57·6 | + 0·3 | 58·2 | − 0·2 | 56·2 | + 0·1 | 57·4 | − 0·2 | 57·0 | 0·0 | 60·8 | + 0·1 | 57·3 | − 0·1 |
| | 1896-1900 .. | 54·5 | + 0·8 | 55·7 | + 0·8 | 57·9 | + 0·8 | 60·0 | + 1·1 | 59·1 | + 1·1 | 61·4 | + 1·6 | 58·8 | + 1·1 | 56·5 | + 0·8 | 58·5 | + 1·2 | 59·9 | + 1·5 | 57·0 | + 0·9 | 58·8 | + 1·2 | 58·1 | + 1·1 | 62·4 | + 1·7 | 58·5 | + 1·1 |
| | 1901-1905 .. | *53·8* | *+ 0·1* | 54·9 | 0·0 | 57·5 | + 0·4 | 59·5 | + 0·6 | 58·0 | 0·0 | 59·9 | + 0·1 | 58·0 | + 0·3 | 55·8 | + 0·1 | 57·5 | + 0·2 | 58·8 | + 0·4 | 55·9 | − 0·2 | 57·8 | + 0·2 | 57·2 | + 0·2 | 60·9 | + 0·2 | 57·6 | + 0·2 |
| | 1906-1910 .. | 53·4 | − 0·3 | 54·3 | − 0·6 | 57·1 | 0·0 | 58·7 | − 0·2 | 57·7 | − 0·3 | 59·1 | − 0·7 | 57·4 | − 0·3 | 55·8 | + 0·1 | 56·9 | − 0·4 | 58·1 | − 0·3 | 56·0 | − 0·1 | 57·6 | 0·0 | 56·9 | − 0·1 | 60·5 | − 0·2 | 57·2 | − 0·2 |
| **30 years average** | .. | **53·7** | — | **54·9** | — | **57·1** | — | **58·9** | — | **58·0** | — | **59·9** | — | **57·7** | — | **55·7** | — | **57·3** | — | **58·4** | — | **56·1** | — | **57·6** | — | **57·0** | — | **60·7** | — | **57·4** | — |
| 1911 | .. | 55·1 | + 1·4 | 56·5 | + 1·6 | 60·2 | + 3·1 | 63·3 | + 4·4 | 61·9 | + 3·9 | 63·7 | + 3·9 | 61·1 | + 3·4 | 57·7 | + 2·0 | 60·3 | + 3·0 | 62·3 | + 3·9 | 57·9 | + 1·8 | 59·9 | + 2·3 | 59·6 | + 2·6 | 64·4 | + 3·7 | 60·4 | + 3·0 |
| 1912 | .. | 52·2 | − 1·5 | 52·5 | − 2·4 | 54·9 | − 2·2 | 57·4 | − 1·5 | 55·5 | − 2·5 | 57·3 | − 2·5 | 55·5 | − 2·2 | 54·2 | − 1·5 | 55·2 | − 2·1 | 56·2 | − 2·2 | 53·4 | − 2·7 | 55·0 | − 2·6 | 54·8 | − 2·2 | 58·1 | − 2·6 | 55·2 | − 2·2 |
| 1913 | .. | 54·2 | + 0·5 | 55·0 | + 0·1 | 56·9 | − 0·2 | 58·2 | − 0·7 | 58·2 | + 0·2 | 59·3 | − 0·5 | 57·5 | − 0·2 | 56·0 | + 0·3 | 57·6 | + 0·3 | 59·1 | + 0·7 | 56·0 | − 0·1 | 58·1 | + 0·5 | 57·4 | + 0·4 | 60·5 | − 0·2 | 57·5 | + 0·1 |
| 1914 | .. | 54·9 | + 1·2 | 55·4 | + 0·5 | 58·4 | + 1·3 | 60·3 | + 1·4 | 58·8 | + 0·8 | 60·4 | + 0·6 | 58·7 | + 1·0 | 56·9 | + 1·2 | 58·5 | + 1·2 | 59·0 | + 0·6 | 57·1 | + 1·0 | 58·6 | + 1·0 | 58·0 | + 1·0 | 61·1 | + 0·4 | 58·4 | + 1·0 |

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes. (Page [V] 1911.)

## TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, AND DAILY MEANS, WITH PERCENTAGES OF AVERAGE FOR 30 YEARS, 1881–1910.

| — | | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lustra | 1881-1885 .. | *·32* | 3·5 | *94* | *·41* | 4·5 | *98* | *·47* | 5·1 | *97* | ·50 | 5·5 | 93 | ·46 | 5·0 | 96 | ·53 | 5·7 | 93 | ·47 | 5·2 | 95 | ·44 | 4·8 | 98 | ·44 | 4·8 | 95 | *·51* | 5·5 | *97* | ·36 | 4·0 | 95 | ·43 | 4·7 | 98 | ·44 | 4·8 | 96 | ·65 | 7·0 | 99 | ·46 | 5·0 | 96 |
| | 1886-1890 .. | *·30* | 3·3 | *88* | *·41* | 4·5 | *97* | *·45* | 4·8 | *93* | ·51 | 5·5 | 94 | ·46 | 5·0 | 96 | ·51 | 5·6 | 91 | ·47 | 5·1 | 94 | ·43 | 4·7 | 96 | ·43 | 4·7 | 93 | *·49* | 5·3 | *93* | ·36 | 3·9 | 93 | ·44 | 4·8 | 99 | ·43 | 4·7 | 95 | ·64 | 6·9 | 98 | ·45 | 4·9 | 94 |
| | 1891-1895 .. | *·31* | 3·3 | *90* | *·41* | 4·5 | *97* | *·47* | 5·1 | *98* | ·51 | 5·6 | 95 | ·47 | 5·1 | 97 | ·54 | 5·9 | 96 | ·48 | 5·2 | 97 | ·44 | 4·8 | 99 | ·42 | 4·6 | 90 | *·49* | 5·4 | *94* | ·37 | 4·0 | 96 | ·41 | 4·4 | 92 | ·43 | 4·7 | 94 | ·64 | 7·0 | 98 | ·46 | 5·0 | 96 |
| | 1896-1900 .. | *·39* | 4·2 | *113* | *·47* | 5·1 | *110* | *·51* | 5·5 | *106* | ·60 | 6·5 | 111 | ·53 | 5·8 | 110 | ·65 | 7·0 | 115 | ·55 | 6·0 | 110 | ·45 | 4·9 | 100 | ·51 | 5·5 | 108 | *·59* | 6·4 | *112* | ·41 | 4·5 | 108 | ·48 | 5·2 | 109 | ·49 | 5·3 | 108 | ·72 | 7·8 | 110 | ·52 | 5·7 | 109 |
| | 1901-1905 .. | ·37 | 4·0 | 108 | ·42 | 4·5 | 98 | *·51* | 5·6 | *107* | ·58 | 6·3 | 108 | ·49 | 5·3 | 102 | ·58 | 6·3 | 103 | ·52 | 5·6 | 104 | ·47 | 5·2 | 105 | ·51 | 5·6 | 109 | *·53* | 5·8 | *100* | ·39 | 4·3 | 103 | ·44 | 4·8 | 100 | ·47 | 5·1 | 104 | ·63 | 6·9 | 97 | ·50 | 5·4 | 104 |
| | 1906-1910 .. | ·37 | 4·0 | 107 | ·42 | 4·5 | 98 | ·47 | 5·1 | 99 | ·54 | 5·8 | 100 | ·48 | 5·2 | 99 | ·57 | 6·2 | 101 | ·50 | 5·4 | 99 | 46 | 5·0 | 102 | ·49 | 5·3 | 104 | ·54 | 5·9 | 103 | ·41 | 4·5 | 107 | ·46 | 5·0 | 103 | ·47 | 5·1 | 104 | ·63 | 6·8 | 97 | ·48 | 5·2 | 101 |
| **30 years average** | .. | **·34** | **3·7** | — | **·42** | **4·6** | — | **·48** | **5·2** | — | **·54** | **5·9** | — | **·48** | **5·2** | — | **·56** | **6·1** | — | **·50** | **5·4** | — | **·45** | **4·9** | — | **·47** | **5·1** | — | **·53** | **5·7** | — | **·38** | **4·2** | — | **·44** | **4·8** | — | **·45** | **4·9** | — | **·65** | **7·1** | — | **·48** | **5·2** | — |
| 1911 | .. | ·43 | 4·7 | 126 | ·53 | 5·8 | 125 | ·65 | 7·1 | 136 | ·76 | 8·3 | 141 | ·68 | 7·4 | 142 | ·85 | 9·2 | 150 | ·69 | 7·6 | 140 | ·57 | 6·2 | 126 | ·66 | 7·2 | 142 | ·73 | 7·9 | 139 | ·53 | 5·8 | 139 | ·60 | 6·5 | 135 | ·62 | 6·7 | 136 | ·83 | 9·0 | 127 | ·66 | 7·1 | 138 |
| 1912 | .. | ·32 | 3·5 | 94 | ·27 | 2·9 | 63 | ·30 | 3·2 | 62 | ·40 | 4·4 | 75 | ·31 | 3·3 | 64 | ·41 | 4·4 | 73 | ·34 | 3·6 | 67 | ·36 | 4·0 | 81 | ·35 | 3·7 | 73 | ·36 | 3·9 | 64 | ·34 | 3·7 | 89 | ·35 | 3·8 | 79 | ·35 | 3·8 | 78 | ·45 | 4·9 | 70 | ·35 | 3·7 | 71 |
| 1913 | .. | ·33 | 3·7 | 97 | ·36 | 4·0 | 86 | ·39 | 4·3 | 81 | ·42 | 4·6 | 77 | ·35 | 3·9 | 73 | ·44 | 4·8 | 77 | ·39 | 4·3 | 78 | ·46 | 5·0 | 101 | ·49 | 5·4 | 105 | ·49 | 5·4 | 93 | ·41 | 4·6 | 108 | ·44 | 4·9 | 100 | ·46 | 5·0 | 101 | ·56 | 6·2 | 86 | ·43 | 4·7 | 89 |
| 1914 | .. | ·37 | 4·1 | 111 | ·44 | 4·9 | 107 | ·52 | 5·8 | 112 | ·56 | 6·2 | 105 | ·50 | 5·6 | 108 | ·62 | 6·9 | 113 | ·53 | 5·9 | 109 | ·47 | 5·2 | 106 | ·54 | 6·0 | 118 | ·56 | 6·1 | 107 | ·43 | 4·8 | 114 | ·43 | 4·8 | 100 | ·49 | 5·4 | 109 | ·60 | 6·7 | 94 | ·51 | 5·7 | 109 |

Meteorological Office, South Kensington, London, S.W.
*7th November*, 1914.

W. N. SHAW,
*Director.*

(4466—19.) Wt. 229—611. 430. 4/15. D & S. G. 17/37.

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT, 1914. FOURTH QUARTER (OCTOBER, NOVEMBER, DECEMBER).

Thirty-seventh Year.
Vol. XXXI. [*New Series.*] } Appendix I.

[*Price* 4*d.*

## SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-FOUR YEARS, 1881–1914.

### TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 30 YEARS, 1881–1910.

| YEARS. | | 0. Scotland, N. | | | Eastern Districts. 1. Scotland, E. | | | 2. England, N.E. | | | 3. England, E. | | | 4. Midland Counties. | | | 5. England, S.E. | | | Districts 1–5. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. |
| | | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % |
| Lustra.* | 1881-1885 .. | 68 | *16·2* | *96* | 54 | *9·3* | *101* | 55 | 7·3 | 97 | 59 | *8·3* | *120* | 55 | 8·6 | 109 | 52 | 8·9 | 98 | 55 | 8·5 | 105 |
| | 1886-1890 .. | 71 | *16·6* | *99* | 57 | 8·9 | 97 | 53 | 7·3 | 97 | 51 | *6·1* | *88* | 50 | 7·2 | 91 | 52 | 8·8 | 97 | 53 | 7·7 | 95 |
| | 1891-1895 .. | 67 | 17·4 | 104 | 53 | 8·8 | 96 | 54 | 7·2 | 96 | 55 | *7·7* | *112* | 53 | 8·3 | 105 | 54 | 10·5 | 115 | 54 | 8·5 | 105 |
| | 1896-1900 .. | 69 | 19·2 | 114 | 57 | 10·2 | 111 | 53 | 8·1 | 108 | 49 | *5·9* | *86* | 49 | 7·5 | 95 | 47 | 8·2 | 90 | 51 | 8·0 | 99 |
| | 1901-1905 .. | 69 | *15·8* | *94* | 57 | 8·4 | 91 | 48 | 7·4. | 99 | 47 | *5·7* | *83* | 47 | 6·6 | 84 | 47 | 7·8 | 86 | 49 | 7·2 | 89 |
| | 1906-1910 .. | 70 | 15·3 | 91 | 57 | 9·8 | 107 | 54 | 7·6 | 101 | 54 | 7·9 | 114 | 56 | 9·1 | 115 | 54 | 10·5 | 115 | 55 | 9·0 | 111 |
| **30 years average** | .. | **69** | **16·8** | — | **56** | **9·2** | — | **53** | **7·5** | — | **53** | **6·9** | — | **51** | **7·9** | — | **51** | **9·1** | — | **53** | **8·1** | — |
| 1911 .. .. | | 64 | 15·7 | 93 | 64 | 13·0 | 141 | 66 | 8·7 | 116 | 62 | 9·7 | 141 | 64 | 10·1 | 128 | 62 | 15·4 | 169 | 63 | 11·4 | 141 |
| 1912 .. .. | | 78 | 22·1 | 132 | 61 | 11·0 | 120 | 54 | 7·7 | 103 | 57 | 8·4 | 122 | 48 | 8·8 | 111 | 53 | 10·9 | 120 | 55 | 9·4 | 116 |
| 1913 .. .. | | 71 | 20·5 | 122 | 52 | 6·7 | 73 | 47 | 5·5 | 73 | 50 | 6·1 | 88 | 50 | 7·2 | 91 | 47 | 8·6 | 94 | 50 | 6·8 | 84 |
| 1914 .. .. | | 64 | 17·2 | 103 | 60 | 11·4 | 123 | 61 | 8·8 | 117 | 62 | 10·5 | 152 | 54 | 11·3 | 142 | 58 | 14·3 | 157 | 59 | 11·3 | 138 |

| YEARS. | | Western Districts. 6. Scotland, W. | | | 7. England, N.W. and N. Wales. | | | 8. S. Wales and England, S.W. | | | 9. Ireland, N. | | | 10. Ireland, S. | | | Districts 6–10. | | | 11. English Channel. | | | Districts 1–10 combined. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. |
| | | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % |
| Lustra.* | 1881-1885 .. | 58 | *14·5* | *96* | 56 | 11·0 | 99 | 62 | 13·7 | 101 | 64 | 11·8 | 104 | 61 | 11·8 | 95 | 60 | 12·6 | 99 | 67 | 12·4 | 103 | 58 | 10·6 | 102 |
| | 1886-1890 .. | 58 | 15·3 | 101 | 59 | 10·7 | 96 | 62 | 13·6 | 101 | 64 | 12·1 | 106 | 59 | 12·6 | 102 | 60 | 12·8 | 101 | 69 | 11·9 | 99 | 57 | 10·3 | 99 |
| | 1891-1895 .. | 59 | 15·9 | 105 | 58 | 11·7 | 105 | 59 | 14·6 | 108 | 64 | 11·3 | 99 | 58 | 13·2 | 106 | 60 | 13·3 | 105 | 64 | 12·3 | 103 | 57 | 10·9 | 105 |
| | 1896-1900 .. | 61 | *15·4* | *102* | 54 | 11·1 | 100 | 57 | 13·5 | 100 | 63 | 11·8 | 103 | 58 | 14·4 | 116 | 59 | 13·2 | 104 | 61 | 11·3 | 94 | 55 | 10·6 | 102 |
| | 1901-1905 .. | 60 | *14·7* | *97* | 53 | 10·3 | 93 | 53 | 11·0 | 82 | 66 | 11·0 | 96 | 57 | 10·3 | 83 | 58 | 11·5 | 91 | 64 | 10·6 | 88 | 54 | 9·4 | 90 |
| | 1906-1910 .. | 60 | 14·6 | 97 | 61 | 11·7 | 105 | 64 | 14·3 | 106 | 66 | 10·6 | 93 | 69 | 11·8 | 95 | 64 | 12·6 | 99 | 65 | 13·2 | 110 | 60 | 10·8 | 104 |
| **30 years average** | .. | **59** | **15·1** | — | **57** | **11·1** | — | **60** | **13·5** | — | **65** | **11·4** | — | **60** | **12·4** | — | **60** | **12·7** | — | **65** | **12·0** | — | **57** | **10·4** | — |
| 1911 .. .. | | 61 | 17·4 | 115 | 63 | 13·2 | 119 | 69 | 17·5 | 130 | 61 | 13·9 | 122 | 72 | 17·1 | 138 | 66 | 15·8 | 124 | 72 | 17·4 | 145 | 64 | 13·6 | 131 |
| 1912 .. .. | | 67 | 15·3 | 101 | 60 | 12·4 | 112 | 56 | 14·7 | 109 | 65 | 11·8 | 104 | 69 | 10·6 | 85 | 64 | 13·0 | 102 | 67 | 13·3 | 111 | 60 | 11·2 | 108 |
| 1913 .. .. | | 67 | 13·5 | 90 | 59 | 9·6 | 87 | 60 | 12·3 | 91 | 65 | 11·8 | 104 | 67 | 12·8 | 103 | 63 | 12·0 | 95 | 63 | 11·9 | 99 | 56 | 9·4 | 90 |
| 1914 .. .. | | 56 | 14·3 | 95 | 56 | 12·5 | 113 | 60 | 15·9 | 118 | 58 | 11·8 | 104 | 60 | 14·9 | 120 | 58 | 13·9 | 109 | 61 | 15·0 | 125 | 59 | 12·6 | 123 |

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 30 years average in each district is shown in clarendon type.

**NOTE.—In previous years the values have been for periods of 13 weeks coinciding most nearly with the periods of three months January, February, March, etc. In the years 1880, 1886, 1890, 1896, 1902, 1908, 1913, the values for the fourth quarter refer to a period of 14 weeks. In 1914 the values refer to the period October 1st to December 31st.**

## TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 30 YEARS, 1881–1910.

| YEARS. | | 0. Scotland, N. | | Eastern Districts. 1. Scotland, E. | | 2. England, N.E. | | 3. England, E. | | 4. Midland Counties. | | 5. England, S.E. | | Districts 1-5. | | Western Districts. 6. Scotland, W. | | 7. England, N.W. and N. Wales. | | 8. S. Wales and England, S.W. | | 9. Ireland, N. | | 10. Ireland, S. | | Districts, 6-10. | | 11. English Channel. | | Districts 1-10 combined. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. |
| Lustra: 1881-1885 | .. | *41·6* | *− 0·8* | *41·2* | *− 0·6* | 43·4 | − 0·2 | 43·4 | − 0·6 | 43·0 | − 0·2 | 45·1 | − 0·5 | 43·2 | − 0·4 | *43·2* | *− 0·7* | 44·1 | − 0·5 | 46·5 | + 0·3 | 43·9 | − 0·7 | 45·6 | − 0·5 | 44·7 | − 0·4 | 49·1 | − 0·7 | 44·0 | − 0·4 |
| 1886-1890 | .. | *42·3* | *− 0·1* | 41·6 | − 0·2 | 42·6 | − 1·0 | 42·3 | − 1·7 | 42·1 | − 1·1 | 44·1 | − 1·5 | 42·6 | − 1·0 | 43·4 | − 0·5 | 43·6 | − 1·0 | 45·2 | − 1·0 | 41·2 | − 0·4 | 45·5 | − 0·6 | 44·4 | − 0·7 | 48·7 | − 1·1 | 43·5 | − 0·9 |
| 1891-1895 | .. | 41·9 | − 0·5 | 41·0 | − 0·8 | 43·0 | − 0·6 | 43·7 | − 0·3 | 42·9 | − 0·3 | 45·6 | 0·0 | 43·2 | − 0·4 | 43·5 | − 0·4 | 44·4 | − 0·2 | 46·2 | 0·0 | 43·8 | − 0·8 | 45·5 | − 0·6 | 44·7 | − 0·4 | 49·8 | 0·0 | 44·0 | − 0·4 |
| 1896-1900 | .. | 43·2 | + 0·8 | 42·7 | + 0·9 | 44·8 | + 1·2 | 44·9 | + 0·9 | 44·1 | + 0·9 | 46·9 | + 1·3 | 44·7 | + 1·1 | 44·9 | + 1·0 | 45·8 | + 1·2 | 47·2 | + 1·0 | 45·4 | + 0·8 | 47·1 | + 1·0 | 46·1 | + 1·0 | 51·0 | + 1·2 | 45·4 | + 1·0 |
| 1901-1905 | .. | *42·4* | *0·0* | 41·7 | − 0·1 | 43·4 | − 0·2 | 43·7 | − 0·3 | 42·7 | − 0·5 | 45·0 | − 0·6 | 43·3 | − 0·3 | 43·8 | − 0·1 | 44·2 | − 0·4 | 45·5 | − 0·7 | 44·7 | + 0·1 | 46·0 | − 0·1 | 44·8 | − 0·3 | 49·5 | − 0·3 | 44·1 | − 0·3 |
| 1906-1910 | .. | 43·1 | + 0·7 | 42·7 | + 0·9 | 44·5 | + 0·9 | 45·7 | + 1·7 | 44·5 | + 1·3 | 46·6 | + 1·0 | 44·8 | + 1·2 | 44·3 | + 0·4 | 45·2 | + 0·6 | 46·8 | + 0·6 | 45·5 | + 0·9 | 46·6 | + 0·5 | 45·7 | + 0·6 | 50·5 | + 0·7 | 45·3 | − 0·9 |
| **30 years average** | .. | **42·4** | — | **41·8** | — | **43·6** | — | **44·0** | — | **43·2** | — | **45·6** | — | **43·6** | — | **43·9** | — | **44·6** | — | **46·2** | — | **44·6** | — | **46·1** | — | **45·1** | — | **49·8** | — | **44·4** | — |
| 1911 | .. | 42·3 | − 0·1 | 41·6 | − 0·2 | 44·3 | + 0·7 | 45·6 | + 1·6 | 44·4 | + 1·2 | 46·7 | + 1·1 | 44·5 | + 0·9 | 43·8 | − 0·1 | 45·3 | + 0·7 | 47·0 | + 0·8 | 45·0 | + 0·4 | 46·0 | + 0·1 | 45·4 | + 0·3 | 50·2 | + 0·4 | 45·0 | + 0·6 |
| 1912 | .. | 42·5 | + 0·1 | 42·1 | + 0·3 | 44·2 | + 0·6 | 45·3 | + 1·3 | 44·4 | + 1·2 | 46·1 | + 0·5 | 44·4 | + 0·8 | 44·3 | + 0·4 | 45·6 | + 1·0 | 46·8 | + 0·6 | 45·7 | + 1·1 | 47·1 | − 1·0 | 45·9 | + 0·8 | 50·1 | + 0·3 | 45·2 | + 0·8 |
| 1913 | .. | 44·7 | + 2·3 | 44·0 | + 2·2 | 45·9 | + 2·3 | 47·1 | + 3·1 | 46·1 | + 2·9 | 48·3 | + 2·7 | 46·3 | + 2·7 | 46·0 | + 2·1 | 47·3 | + 2·7 | 48·4 | + 2·2 | 46·9 | + 2·3 | 47·5 | + 1·4 | 47·2 | + 2·1 | 51·5 | + 1·7 | 46·8 | + 2·4 |
| 1914 | .. | 42·8 | + 0·4 | 42·0 | + 0·2 | 44·9 | + 1·3 | 45·8 | + 1·8 | 44·6 | + 1·4 | 46·8 | + 1·2 | 44·8 | + 1·2 | 44·3 | + 0·4 | 45·2 | + 0·6 | 46·5 | + 0·3 | 44·8 | + 0·2 | 45·8 | − 0·3 | 45·3 | + 0·2 | 50·0 | + 0·2 | 45·1 | + 0·7 |

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes. (Page [V.] 1910.)

## TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, AND DAILY MEANS, WITH PERCENTAGES OF AVERAGE FOR 30 YEARS, 1881–1910.

| YEARS. | | 0. Scotland, N. | | | Eastern Districts. 1. Scotland, E. | | | 2. England, N.E. | | | 3. England, E. | | | 4. Midland Counties. | | | 5. England, S.E. | | | Districts 1-5. | | | Western Districts. 6. Scotland, W. | | | 7. England, N.W. and N. Wales. | | | 8. S. Wales and England, S.W. | | | 9. Ireland, N. | | | 10. Ireland, S. | | | Districts, 6-10. | | | 11. English Channel. | | | Districts 1-10 combined. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. |
| Lustra: 1881-1885 | .. | *·14* | 1·5 | *100* | *·18* | 2·0 | *106* | *·15* | 1·9 | *93* | ·19 | 2·1 | 90 | ·18 | 1·9 | 98 | ·19 | 2·1 | 90 | ·18 | 2·0 | 96 | ·16 | 1·8 | 100 | ·15 | 1·6 | 87 | *·19* | 2·1 | *91* | ·18 | 2·0 | 96 | ·21 | 2·3 | 99 | ·18 | 1·9 | 99 | ·23 | 2·5 | 85 | ·18 | 2·0 | 96 |
| 1886-1890 | .. | *·12* | 1·3 | *84* | *·15* | 1·6 | *87* | *·19* | 2·1 | *100* | ·21 | 2·3 | 102 | ·18 | 2·0 | 101 | ·20 | 2·2 | 95 | ·19 | 2·1 | 96 | ·15 | 1·7 | 96 | ·15 | 1·7 | 89 | *·20* | 2·2 | *97* | ·17 | 1·8 | 87 | ·20 | 2·2 | 95 | ·17 | 1·9 | 92 | ·27 | 2·9 | 103 | ·18 | 2·9 | 91 |
| 1891-1895 | .. | *·13* | 1·4 | *90* | *·18* | 2·0 | *108* | *·20* | 2·1 | *103* | ·20 | 2·2 | 97 | ·19 | 2·1 | 106 | ·22 | 2·4 | 106 | ·20 | 2·2 | 105 | ·18 | 1·9 | 110 | *·16* | 1·8 | *97* | *·22* | 2·4 | *104* | ·21 | 2·2 | 108 | ·23 | 2·6 | 111 | ·20 | 2·2 | 103 | ·27 | 2·9 | 103 | ·20 | 2·2 | 101 |
| 1896-1900 | .. | *·14* | 1·1 | *99* | *·16* | 1·8 | *95* | *·18* | 2·0 | *97* | ·23 | 2·5 | 110 | ·19 | 2·0 | 103 | ·24 | 2·6 | 113 | ·20 | 2·2 | 105 | ·16 | 1·8 | 100 | ·18 | 2·0 | 108 | *·22* | 2·4 | *104* | ·19 | 2·0 | 98 | ·23 | 2·5 | 110 | ·20 | 2·1 | 103 | ·26 | 2·8 | 99 | ·20 | 2·2 | 105 |
| 1901-1905 | .. | ·14 | 1·5 | 97 | ·17 | 1·9 | *102* | *·19* | 2·1 | *103* | ·21 | 2·3 | 100 | ·17 | 1·8 | 93 | ·20 | 2·2 | 97 | ·19 | 2·1 | 101 | ·16 | 1·8 | 101 | ·18 | 2·0 | 108 | *·20* | 2·2 | *97* | ·18 | 2·0 | 94 | ·20 | 2·2 | 95 | ·18 | 2·0 | 97 | ·24 | 2·6 | 93 | ·19 | 2·1 | 99 |
| 1906-1910 | .. | ·14 | 1·6 | 103 | ·19 | 2·0 | 111 | ·20 | 2·1 | 103 | ·21 | 2·3 | 100 | ·18 | 2·0 | 101 | ·23 | 2·5 | 110 | ·20 | 2·2 | 105 | ·16 | 1·7 | 93 | ·20 | 2·2 | 116 | ·22 | 2·4 | 107 | ·19 | 2·1 | 102 | ·20 | 2·2 | 97 | ·19 | 2·1 | 103 | ·26 | 2·9 | 102 | ·20 | 2·2 | 105 |
| **30 years average** | .. | **·14** | **1·5** | — | **·17** | **1·9** | — | **·19** | **2·1** | — | **·21** | **2·3** | — | **·18** | **2·0** | — | **·21** | **2·3** | — | **·19** | **2·1** | — | **·16** | **1·8** | — | **·17** | **1·9** | — | **·21** | **2·3** | — | **·19** | **2·0** | — | **·21** | **2·3** | — | **19** | **2·0** | — | **·26** | **2·8** | — | **·19** | **2·1** | — |
| 1911 | .. | ·14 | 1·5 | 101 | ·17 | 1·8 | 99 | ·19 | 2·0 | 98 | ·20 | 2·2 | 96 | ·19 | 2·1 | 104 | ·21 | 2·3 | 101 | ·19 | 2·1 | 101 | ·17 | 1·8 | 106 | ·20 | 2·1 | 115 | ·22 | 2·5 | 111 | ·19 | 2·0 | 98 | ·21 | 2·3 | 96 | ·20 | 2·2 | 103 | ·23 | 2·5 | 88 | ·20 | 2·1 | 103 |
| 1912 | .. | ·11 | 1·2 | 79 | ·17 | 1·8 | 99 | ·18 | 1·9 | 93 | ·20 | 2·2 | 97 | ·18 | 2·0 | 101 | ·24 | 2·6 | 112 | ·19 | 2·1 | 102 | ·14 | 1·5 | 89 | ·18 | 2·0 | 106 | ·22 | 2·4 | 104 | ·17 | 1·8 | 87 | ·22 | 2·4 | 100 | ·19 | 2·0 | 98 | ·27 | 2·9 | 103 | ·19 | 2·1 | 100 |
| 1913 | .. | ·15 | 1·5 | 110 | ·21 | 2·1 | 121 | ·23 | 2·3 | 119 | ·27 | 2·7 | 127 | ·20 | 2·0 | 111 | ·26 | 2·6 | 120 | ·23 | 2·4 | 120 | ·18 | 1·8 | 110 | ·20 | 2·0 | 113 | ·23 | 2·3 | 110 | ·19 | 2·0 | 105 | ·21 | 2·1 | 97 | ·20 | 2·1 | 107 | ·27 | 2·8 | 107 | ·22 | 2·2 | 114 |
| 1914 | .. | ·12 | 1·3 | 87 | ·16 | 1·9 | 100 | ·17 | 1·9 | 90 | ·18 | 2·0 | 87 | ·16 | 1·8 | 90 | ·21 | 2·3 | 100 | ·18 | 2·0 | 93 | ·14 | 1·6 | 89 | ·17 | 1·9 | 100 | ·21 | 2·4 | 104 | ·17 | 1·9 | 95 | ·22 | 2·5 | 102 | ·18 | 2·1 | 100 | ·24 | 2·7 | 96 | ·18 | 2·0 | 96 |

Meteorological Office, South Kensington, London, S.W.
*1st April*, 1915.

W. N. SHAW,
*Director*.

(4467—19) Wt. 229—611. 450. 4/15. D & S. G. 17/37.

FOR OFFICIAL USE.

# WEEKLY WEATHER REPORT, 1914. VALUES FOR THE WHOLE YEAR.

Thirty-seventh Year.
VOL. XXXI. [*New Series.*] } APPENDIX I. [*Price 4d.*

## SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-FOUR YEARS, 1881–1914.

### TABLE I.—RAINFALL.—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 30 YEARS, 1881–1910.

| YEARS. | | **0.** SCOTLAND, N. | | | **Eastern Districts.** | | | | | | | | | | | | | | | | | | **Western Districts.** | | | | | | | | | | | | | | | | | | **11.** ENGLISH CHANNEL. | | | DISTRICTS **1-10** COMBINED. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | **1.** SCOTLAND, E. | | | **2.** ENGLAND, N.E. | | | **3.** ENGLAND, E. | | | **4.** MIDLAND COUNTIES. | | | **5.** ENGLAND, S.E. | | | DISTRICTS **1-5.** | | | **6.** SCOTLAND, W. | | | **7.** ENGLAND, N.W. AND NORTH WALES. | | | **8.** SOUTH WALES AND ENGLAND, S.W. | | | **9.** IRELAND, N. | | | **10.** IRELAND, S. | | | DISTRICTS **6-10.** | | | | | | | | |
| | | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. | Days. | Amount. | Per cent. of average. |
| | | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % | | In. | % |
| LUSTRA.* | 1881 1885 .. | 241 | *49·2* | *95* | 198 | *33·3* | *107* | 188 | 25·5 | 103 | 187 | *26·0* | *110* | 186 | 29·0 | 109 | 177 | 27·4 | 101 | 187 | 28·2 | 106 | 216 | *50·6* | *105* | 198 | 36·6 | 104 | 211 | 40·7 | 105 | 236 | 38·6 | 101 | 217 | 41·7 | 104 | 216 | 41·6 | 104 | 222 | 33·8 | 104 | 202 | 34·9 | 104 |
| | 1886-1890 .. | 251 | *50·3* | 97 | 203 | 29·0 | 93 | 187 | 24·9 | 101 | 184 | *23·6* | *96* | 176 | 25·6 | 97 | 177 | 26·8 | 99 | 185 | 25·8 | 97 | 207 | 45·8 | 95 | 197 | 33·3 | 94 | 200 | 37·4 | 96 | 223 | 37·9 | 99 | 204 | 38·7 | 97 | 206 | 38·6 | 96 | 217 | 32·0 | 99 | 196 | 32·2 | 96 |
| | 1891-1895 .. | 244 | 52·7 | 101 | 196 | 30·4 | 98 | 190 | 24·8 | 100 | 184 | *24·0* | *102* | 178 | 25·2 | 95 | 174 | 27·6 | 101 | 184 | 26·4 | 99 | 206 | 45·5 | 94 | 196 | 35·1 | 91 | 191 | 38·4 | 99 | 225 | 36·2 | 94 | 200 | 39·1 | 98 | 204 | 38·9 | 97 | 200 | 33·0 | 102 | 194 | 32·7 | 98 |
| | 1896-1900 .. | 248 | 55·8 | 107 | 209 | 31·9 | 103 | 183 | 25·0 | 101 | 173 | *23·0* | *93* | 172 | 25·7 | 97 | 161 | 25·3 | 93 | 180 | 26·0 | 98 | 225 | *49·0* | *101* | 198 | 36·1 | 102 | 194 | 39·2 | 101 | 235 | 39·6 | 103 | 206 | 43·0 | 108 | 212 | 41·3 | 103 | 201 | 31·5 | 97 | 196 | 33·7 | 101 |
| | 1901-1905 .. | 255 | 53·4 | 103 | 213 | 29·9 | 96 | 177 | 23·5 | 95 | 170 | *22·4* | *95* | 175 | 23·0 | 98 | 174 | 27·5 | 101 | 182 | 25·9 | 98 | 218 | *50·3* | *104* | 202 | 33·0 | 94 | 194 | 37·4 | 96 | 247 | 39·2 | 102 | 215 | 39·0 | 98 | 215 | 39·7 | 99 | 219 | 32·9 | 102 | 199 | 32·8 | 98 |
| | 1906-1910 .. | 257 | 50·6 | 97 | 210 | 32·3 | 104 | 192 | 24·4 | 99 | 186 | *24·3* | *103* | 189 | 27·5 | 104 | 182 | 28·6 | 105 | 192 | 27·4 | 103 | 217 | 48·4 | 100 | 213 | 37·5 | 106 | 208 | 39·6 | 102 | 244 | 38·9 | 102 | 240 | 37·9 | 95 | 224 | 40·5 | 101 | 201 | 31·5 | 97 | 208 | 34·0 | 102 |
| **30 years average** | .. | **249** | **52·0** | — | **205** | **31·1** | — | **186** | **24·7** | — | **181** | **23·6** | — | **180** | **26·5** | — | **174** | **27·2** | — | **185** | **26·6** | — | **214** | **43·3** | — | **201** | **35·3** | — | **200** | **38·8** | — | **235** | **38·4** | — | **213** | **39·9** | — | **213** | **40·1** | — | **211** | **32·4** | — | **199** | **33·4** | — |
| 1911 | .. .. | 227 | 51·3 | 99 | 200 | 29·4 | 95 | 180 | 23·6 | 96 | 175 | 23·1 | 98 | 162 | 22·0 | 83 | 159 | 28·1 | 103 | 175 | 25·2 | 95 | 201 | 44·3 | 92 | 182 | 34·3 | 97 | 179 | 36·8 | 95 | 195 | 33·5 | 87 | 212 | 39·5 | 99 | 194 | 37·7 | 94 | 186 | 33·8 | 104 | 185 | 31·5 | 94 |
| 1912 | .. .. | 250 | 55·2 | 106 | 216 | 33·6 | 108 | 207 | 31·1 | 126 | 169 | 29·7 | 126 | 189 | 34·6 | 121 | 194 | 32·7 | 120 | 200 | 32·4 | 122 | 223 | 47·3 | 98 | 214 | 39·6 | 112 | 218 | 48·2 | 124 | 240 | 39·7 | 103 | 249 | 42·4 | 110 | 229 | 43·4 | 108 | 226 | 41·4 | 128 | 214 | 37·9 | 114 |
| 1913 | .. .. | 236 | 51·6 | 100 | 195 | 26·8 | 86 | 180 | 22·0 | 90 | 176 | 21·1 | 90 | 178 | 26·4 | 100 | 169 | 27·1 | 100 | 180 | 24·7 | 93 | 217 | 43·1 | 89 | 203 | 34·5 | 98 | 204 | 39·7 | 102 | 235 | 39·4 | 102 | 237 | 44·3 | 111 | 219 | 40·2 | 100 | 203 | 32·2 | 100 | 200 | 32·4 | 97 |
| 1914 | .. ... | 240 | 52·5 | 101 | 197 | 32·1 | 103 | 183 | 24·6 | 100 | 183 | 25·3 | 107 | 177 | 28·4 | 107 | 174 | 32·8 | 121 | 183 | 28·7 | 108 | 208 | 43·7 | 90 | 192 | 36·2 | 103 | 200 | 45·2 | 116 | 221 | 37·8 | 98 | 228 | 44·3 | 111 | 210 | 41·4 | 103 | 199 | 39·5 | 122 | 197 | 35·1 | 105 |

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 30 years average in each district is shown in clarendon type.

**NOTE.—In previous years the values have been for periods of 52 complete weeks. In the years 1880, 1886, 1890, 1896, 1902, 1908, 1913, the values were for a period of 53 complete weeks. In 1914 the values refer to the period from January 1st to December 31st.**

## TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 30 YEARS, 1881–1910.

| Years. | | 0. Scotland, N. | | Eastern Districts. 1. Scotland E. | | 2. England, N.E. | | 3. England, E. | | 4. Midland Counties. | | 5. England, S.E. | | Districts, 1–5. | | Western Districts. 6. Scotland, W. | | 7. England, N.W. and North Wales. | | 8. South Wales and England, S.W. | | 9. Ireland, N. | | 10. Ireland, S. | | Districts, 6–10. | | 11. English Channel. | | Districts 1–10 combined. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. | ° | Diff. |
| Lustra. | 1881–1885 .. | *45·3* | *− 0·2* | *45·6* | *− 0·1* | 47·3 | − 0·1 | 48·3 | 0·0 | 48·0 | + 0·1 | 49·6 | + 0·1 | 47·8 | 0·0 | *47·1* | *− 0·2* | 48·0 | − 0·2 | 49·5 | + 0·1 | 47·8 | − 0·2 | 49·2 | − 0·3 | 48·3 | − 0·2 | 51·4 | − 0·5 | 48·1 | − 0·1 |
| | 1886–1890 .. | *45·2* | *− 0·3* | 45·6 | − 0·1 | 46·6 | − 0·8 | 47·2 | − 1·1 | 47·1 | − 0·8 | 48·6 | − 0·9 | 47·0 | − 0·8 | 46·9 | − 0·4 | 47·4 | − 0·8 | 48·7 | − 0·7 | 47·7 | − 0·3 | 49·1 | − 0·4 | 48·0 | − 0·5 | 51·0 | − 0·9 | 47·5 | − 0·7 |
| | 1891–1895 .. | 45·3 | − 0·2 | 45·4 | − 0·3 | 46·9 | − 0·5 | 47·9 | − 0·4 | 47·7 | − 0·2 | 49·4 | − 0·1 | 47·5 | − 0·3 | 47·1 | − 0·2 | 48·2 | 0·0 | 49·3 | − 0·1 | 47·9 | − 0·1 | 49·3 | − 0·2 | 48·4 | − 0·1 | 52·0 | + 0·1 | 48·0 | − 0·2 |
| | 1896–1900 .. | 46·1 | + 0·6 | 46·4 | + 0·7 | 48·1 | + 0·7 | 49·1 | + 0·8 | 48·8 | + 0·9 | 50·8 | + 1·3 | 48·6 | + 0·8 | 48·1 | + 0·8 | 49·2 | + 1·0 | 50·6 | + 1·2 | 48·7 | + 0·7 | 50·4 | + 0·9 | 49·4 | + 0·9 | 53·3 | + 1·4 | 49·0 | + 0·8 |
| | 1901–1905 .. | *45·6* | *+ 0·1* | 45·7 | 0·0 | 47·6 | + 0·2 | 48·7 | + 0·4 | 47·9 | 0·0 | 49·5 | 0·0 | 47·9 | + 0·1 | 47·3 | 0·0 | 48·2 | 0·0 | 49·5 | + 1·1 | 48·0 | 0·0 | 49·6 | + 0·1 | 48·5 | 0·0 | 51·9 | 0·0 | 48·2 | 0·0 |
| | 1906–1910 .. | 45·5 | 0·0 | 45·7 | 0·0 | 47·6 | + 0·2 | 48·7 | + 0·4 | 48·0 | + 0·1 | 49·3 | − 0·2 | 47·9 | + 0·1 | 47·4 | − 0·1 | 48·0 | − 0·2 | 49·1 | − 0·3 | 48·1 | + 0·1 | 49·6 | + 0·1 | 48·4 | − 0·1 | 52·0 | + 0·1 | 48·2 | 0·0 |
| **30 years average** | .. | **45·5** | — | **45·7** | — | **47·4** | — | **48·3** | — | **47·9** | — | **49·5** | — | **47·8** | — | **47·3** | — | **48·2** | — | **49·4** | — | **48·0** | — | **49·5** | — | **48·5** | — | **51·9** | — | **48·2** | — |
| 1911 | .. .. | 46·5 | + 1·0 | 46·7 | + 1·0 | 49·0 | + 1·6 | 50·4 | + 2·1 | 49·7 | + 1·8 | 51·0 | + 1·5 | 48·9 | + 1·1 | 48·4 | + 1·1 | 49·8 | + 1·6 | 50·8 | + 1·4 | 48·9 | + 0·9 | 50·3 | + 0·8 | 49·6 | + 1·1 | 53·1 | + 1·2 | 49·3 | + 1·1 |
| 1912 | .. .. | 45·6 | + 0·1 | 45·7 | 0·0 | 47·6 | + 0·2 | 49·5 | + 1·2 | 48·3 | + 0·4 | 50·0 | + 0·5 | 48·2 | + 0·4 | 47·4 | + 0·1 | 48·4 | + 0·2 | 49·7 | + 0·3 | 48·0 | 0·0 | 49·6 | + 0·1 | 48·6 | + 0·1 | 52·4 | + 0·5 | 48·4 | + 0·2 |
| 1913 | .. .. | 46·5 | + 1·0 | 46·4 | + 0·7 | 48·3 | + 0·9 | 49·8 | + 1·5 | 49·0 | + 1·1 | 50·7 | + 1·2 | 48·8 | + 1·0 | 48·0 | + 0·7 | 49·2 | + 1·0 | 50·4 | + 1·0 | 48·4 | + 0·4 | 49·7 | + 0·2 | 49·1 | + 0·6 | 52·6 | + 0·7 | 49·0 | + 0·8 |
| 1914 | .. .. | 46·6 | + 1·1 | 46·6 | + 0·9 | 49·2 | + 1·8 | 50·1 | + 1·8 | 49·4 | + 1·5 | 50·7 | + 1·2 | 49·2 | + 1·4 | 48·3 | + 1·0 | 49·4 | + 1·2 | 50·4 | + 1·0 | 48·7 | + 0·7 | 50·2 | + 0·7 | 49·4 | + 0·9 | 52·7 | + 0·8 | 49·3 | + 1·1 |

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes. (Page [V.] 1911.)

## TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, AND DAILY MEANS, WITH PERCENTAGES OF AVERAGE FOR 30 YEARS, 1881–1910.

| Years. | | 0. Scotland, N. | | | Eastern Districts. 1. Scotland E. | | | 2. England, N.E. | | | 3. England, E. | | | 4. Midland Counties. | | | 5. England, S.E. | | | Districts, 1–5. | | | Western Districts. 6. Scotland, W. | | | 7. England, N.W. and North Wales. | | | 8. South Wales and England, S.W. | | | 9. Ireland, N. | | | 10. Ireland, S. | | | Districts, 6–10. | | | 11. English Channel. | | | Districts 1–10 combined. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. | Th.-hrs. | Daily Mean. | Per cent. of av. |
| | | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | |
| Lustra. | 1881–1885 .. | *1·08* | 3·0 | *97* | *1·33* | 3·6 | *100* | *1·41* | 3·8 | *98* | 1·54 | 4·2 | 97 | 1·39 | 3·8 | 99 | *1·54* | 4·2 | *95* | 1·44 | 3·9 | 97 | 1·33 | 3·6 | 98 | 1·32 | 3·6 | 94 | *1·51* | 4·1 | *96* | 1·26 | 3·5 | 98 | 1·45 | 4·0 | 101 | 1·37 | 3·8 | 98 | 1·89 | 5·2 | 100 | 1·41 | 3·8 | 97 |
| | 1886–1890 .. | *0·99* | 2·7 | *89* | *1·28* | 3·5 | *97* | *1·35* | 3·7 | *94* | 1·48 | 4·1 | 94 | 1·32 | 3·6 | 94 | 1·45 | 4·0 | 90 | 1·38 | 3·8 | 93 | 1·32 | 3·6 | 97 | 1·29 | 3·5 | 91 | *1·48* | 4·0 | *94* | 1·20 | 3·3 | 94 | 1·43 | 3·9 | 99 | 1·34 | 3·7 | 95 | 1·84 | 5·0 | 97 | 1·36 | 3·7 | 94 |
| | 1891–1895 .. | *1·15* | 3·1 | *103* | *1·40* | 3·9 | *106* | *1·52* | 4·2 | *106* | 1·59 | 4·4 | 101 | 1·49 | 4·1 | 106 | 1·70 | 4·6 | 105 | 1·54 | 4·2 | 104 | 1·42 | 3·9 | 104 | *1·38* | 3·8 | *98* | *1·64* | 4·5 | *104* | 1·33 | 3·6 | 104 | 1·47 | 4·0 | 102 | 1·45 | 4·0 | 103 | 2·02 | 5·5 | 107 | 1·50 | 4·1 | 103 |
| | 1896–1900 .. | *1·17* | 3·2 | *106* | *1·35* | 3·7 | *102* | *1·44* | 3·9 | *100* | 1·64 | 4·5 | 104 | 1·46 | 4·0 | 104 | 1·71 | 4·7 | 106 | 1·52 | 4·2 | 103 | 1·34 | 3·7 | 99 | 1·48 | 4·0 | 105 | *1·65* | 4·5 | *105* | 1·31 | 3·6 | 102 | 1·49 | 4·1 | 103 | 1·45 | 4·0 | 103 | 1·94 | 5·3 | 103 | 1·49 | 4·0 | 103 |
| | 1901–1905 .. | 1·15 | 3·1 | 103 | 1·28 | 3·5 | 96 | *1·49* | 4·1 | *103* | 1·63 | 4·4 | 103 | 1·37 | 3·7 | 97 | *1·60* | 4·4 | *99* | 1·47 | 4·0 | 100 | 1·38 | 3·8 | 101 | 1·49 | 4·0 | 106 | *1·52* | 4·2 | *97* | 1·29 | 3·5 | 101 | 1·40 | 3·8 | 97 | 1·42 | 3·9 | 101 | 1·80 | 4·9 | 95 | 1·45 | 4·0 | 100 |
| | 1906–1910 .. | 1·14 | 3·1 | 103 | 1·34 | 3·7 | 101 | 1·45 | 4·0 | 101 | 1·61 | 4·4 | 102 | 1·43 | 3·9 | 101 | 1·70 | 4·7 | 105 | 1·51 | 4·1 | 102 | 1·36 | 3·7 | 100 | 1·47 | 4·0 | 104 | 1·62 | 4·4 | 103 | 1·29 | 3·5 | 101 | 1·42 | 3·9 | 99 | 1·43 | 3·9 | 101 | 1·87 | 5·1 | 99 | 1·47 | 3·9 | 101 |
| **30 years average** | .. | **1·11** | **3·0** | — | **1·33** | **3·6** | — | **1·44** | **4·0** | — | **1·58** | **4·3** | — | **1·41** | **3·8** | — | **1·62** | **4·4** | — | **1·48** | **4·0** | — | **1·36** | **3·7** | — | **1·41** | **3·8** | — | **1·57** | **4·3** | — | **1·28** | **3·5** | — | **1·44** | **4·0** | — | **1·41** | **3·9** | — | **1·89** | **5·2** | — | **1·45** | **4·0** | — |
| | .. .. | 1·26 | 3·4 | 113 | 1·48 | 4·0 | 111 | 1·60 | 4·4 | 111 | 1·80 | 4·9 | 114 | 1·59 | 4·3 | 113 | 1·93 | 5·3 | 119 | 1·68 | 4·6 | 114 | 1·54 | 4·2 | 113 | 1·68 | 4·6 | 119 | 1·84 | 5·0 | 117 | 1·52 | 4·2 | 119 | 1·63 | 4·4 | 113 | 1·64 | 4·5 | 116 | 2·03 | 5·5 | 107 | 1·66 | 4·5 | 115 |
| 1912 | .. .. | 1·01 | 2·8 | 91 | 1·02 | 2·9 | 77 | 1·12 | 3·1 | 78 | 1·38 | 3·8 | 87 | 1·13 | 3·2 | 80 | 1·44 | 4·2 | 89 | 1·22 | 3·4 | 82 | 1·15 | 3·2 | 85 | 1·21 | 3·3 | 91 | 1·26 | 3·5 | 80 | 1·11 | 3·1 | 87 | 1·26 | 3·5 | 88 | 1·20 | 3·3 | 85 | 1·61 | 4·5 | 85 | 1·21 | 3·3 | 83 |
| 1913 | .. .. | 1·02 | 2·8 | 91 | 1·22 | 3·3 | 91 | 1·29 | 3·5 | 88 | 1·43 | 3·9 | 91 | 1·19 | 3·2 | 85 | 1·47 | 4·0 | 91 | 1·32 | 3·6 | 91 | 1·22 | 3·3 | 89 | 1·32 | 3·7 | 94 | 1·42 | 3·9 | 90 | 1·20 | 3·3 | 94 | 1·31 | 3·6 | 91 | 1·29 | 3·5 | 92 | 1·63 | 4·5 | 87 | 1·31 | 3·6 | 92 |
| 1914 | .. .. | 1·08 | 3·0 | 100 | 1·38 | 3·8 | 106 | 1·52 | 4·2 | 105 | 1·68 | 4·6 | 107 | 1·46 | 4·1 | 108 | 1·80 | 4·9 | 111 | 1·57 | 4·3 | 107 | 1·31 | 3·7 | 100 | 1·49 | 4·1 | 108 | 1·62 | 4·5 | 105 | 1·27 | 3·5 | 100 | 1·45 | 4·0 | 100 | 1·43 | 4·0 | 103 | 1·78 | 4·9 | 94 | 1·50 | 4·2 | 105 |

Meteorological Office, South Kensington, London, S.W.
1*st April*, 1915.

W. N. SHAW,
*Director.*

# WEEKLY WEATHER REPORT, 1914.

Thirty-seventh Year. VOL. XXXI. [*New Series.*] APPENDIX II.] RAIN-DAYS, RAINFALL, ACCUMULATED TEMPERATURE AND SUNSHINE. [*Price* 1*s.*

## TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAIN-DAYS IN EACH DISTRICT DURING THE YEAR 1914.

| 1914. | | 0. Scotland, N. | | Eastern Districts. 1. Scotland, E. | | 2. England, N.E. | | 3. England, E. | | 4. Midland Counties. | | 5. England, S.E. | | Means for Eastern Districts. | | Western Districts. 6. Scotland, W. | | 7. England, N.W. and North Wales. | | 8. South Wales and England, S.W. | | 9. Ireland, N. | | 10. Ireland, S. | | Means for Western Districts | | 11. English Channel. | | Means for Districts 1-10 combined. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week. No. of | Limiting Dates of each Week. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. |
| | | **Numbers of Rain-days—1914.** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **1914.** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Jan. 4-10 - | 7 | 7 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 2 | 11-17 - | 1 | 8 | 2 | 8 | 6 | 11 | 4 | 9 | 2 | 7 | 2 | 7 | 3 | 8 | 1 | 7 | 1 | 7 | 1 | 7 | 0 | 6 | 1 | 7 | 1 | 7 | 2 | 8 | 2 | 8 |
| 3 | 18-24 - | 2 | 10 | 2 | 10 | 3 | 14 | 2 | 11 | 1 | 8 | 0 | 7 | 2 | 10 | 2 | 9 | 1 | 8 | 1 | 8 | 2 | 8 | 3 | 10 | 2 | 9 | 1 | 9 | 2 | 10 |
| 4 | Jan. 25-31 - | 7 | 17 | 6 | 16 | 3 | 17 | 2 | 13 | 4 | 12 | 4 | 11 | 4 | 14 | 7 | 16 | 6 | 14 | 6 | 14 | 7 | 15 | 7 | 17 | 6 | 15 | 6 | 15 | 5 | 15 |
| 5 | Feb. 1-7 - | 6 | 23 | 4 | 20 | 2 | 19 | 2 | 15 | 2 | 14 | 2 | 13 | 2 | 16 | 6 | 22 | 2 | 16 | 3 | 17 | 6 | 21 | 6 | 23 | 5 | 20 | 2 | 17 | 4 | 19 |
| 6 | 8-14 - | 6 | 29 | 6 | 26 | 6 | 25 | 5 | 20 | 6 | 20 | 6 | 19 | 6 | 22 | 7 | 29 | 6 | 22 | 6 | 23 | 6 | 27 | 7 | 30 | 6 | 26 | 6 | 23 | 6 | 25 |
| 7 | 15-21 - | 6 | 35 | 5 | 31 | 4 | 29 | 5 | 25 | 5 | 25 | 6 | 25 | 5 | 27 | 6 | 35 | 6 | 28 | 6 | 29 | 7 | 34 | 6 | 36 | 6 | 32 | 7 | 30 | 5 | 30 |
| 8 | Feb. 22-28 - | 5 | 40 | 3 | 34 | 3 | 32 | 2 | 27 | 3 | 28 | 3 | 28 | 3 | 30 | 5 | 40 | 4 | 32 | 5 | 34 | 6 | 40 | 6 | 42 | 5 | 37 | 4 | 34 | 4 | 34 |
| | Winter Totals | 67 | | 51 | | 43 | | 41 | | 42 | | 41 | | 44 | | 63 | | 49 | | 53 | | 62 | | 62 | | 57 | | 54 | | 50 | |
| 9 | Mar. 1-7 - | 7 | 47 | 5 | 39 | 4 | 36 | 4 | 31 | 4 | 32 | 5 | 33 | 4 | 34 | 7 | 47 | 6 | 38 | 7 | 41 | 7 | 47 | 7 | 49 | 7 | 44 | 7 | 41 | 6 | 40 |
| 10 | 8-14 - | 6 | 53 | 6 | 45 | 5 | 41 | 7 | 38 | 6 | 38 | 7 | 40 | 6 | 40 | 6 | 53 | 6 | 44 | 7 | 48 | 7 | 54 | 6 | 55 | 7 | 51 | 7 | 48 | 6 | 46 |
| 11 | 15-21 - | 6 | 59 | 5 | 50 | 6 | 47 | 6 | 44 | 6 | 44 | 6 | 46 | 6 | 46 | 6 | 59 | 6 | 50 | 6 | 54 | 6 | 60 | 6 | 61 | 6 | 57 | 6 | 54 | 6 | 52 |
| 12 | 22-28 - | 4 | 63 | 4 | 54 | 4 | 51 | 4 | 48 | 5 | 49 | 5 | 51 | 5 | 51 | 3 | 62 | 4 | 54 | 5 | 59 | 5 | 65 | 6 | 67 | 4 | 61 | 6 | 60 | 4 | 56 |
| 13 | Mar. 29-Apr. 4 | 6 | 69 | 5 | 59 | 3 | 54 | 4 | 52 | 5 | 54 | 4 | 55 | 4 | 55 | 6 | 68 | 5 | 59 | 5 | 64 | 7 | 72 | 6 | 73 | 6 | 67 | 4 | 64 | 5 | 61 |
| 14 | April 5-11 - | 7 | 76 | 5 | 64 | 6 | 60 | 5 | 57 | 6 | 60 | 6 | 61 | 5 | 60 | 6 | 74 | 5 | 64 | 6 | 70 | 6 | 78 | 6 | 79 | 6 | 73 | 6 | 70 | 5 | 66 |
| 15 | 12-18 - | 3 | 79 | 1 | 65 | 0 | 60 | 0 | 57 | 0 | 60 | 0 | 61 | 0 | 60 | 2 | 76 | 1 | 65 | 0 | 70 | 2 | 80 | 2 | 81 | 1 | 74 | 0 | 70 | 1 | 67 |
| 16 | 19-25 - | 3 | 82 | 3 | 68 | 2 | 62 | 1 | 58 | 1 | 61 | 1 | 62 | 2 | 62 | 3 | 79 | 2 | 67 | 1 | 71 | 3 | 83 | 2 | 83 | 2 | 76 | 1 | 71 | 2 | 69 |
| 17 | April 26-May 2 | 1 | 83 | 1 | 69 | 1 | 63 | 0 | 58 | 1 | 62 | 1 | 63 | 1 | 63 | 1 | 80 | 1 | 68 | 1 | 72 | 1 | 84 | 1 | 84 | 1 | 77 | 1 | 72 | 1 | 70 |
| 18 | May 3-9 - | 6 | 89 | 6 | 75 | 7 | 70 | 6 | 64 | 6 | 68 | 5 | 68 | 6 | 69 | 6 | 86 | 7 | 75 | 7 | 79 | 7 | 91 | 7 | 91 | 7 | 84 | 5 | 77 | 7 | 77 |
| 19 | 10-16 - | 4 | 93 | 3 | 78 | 1 | 71 | 3 | 67 | 2 | 70 | 2 | 70 | 2 | 71 | 3 | 89 | 3 | 78 | 2 | 81 | 3 | 94 | 2 | 93 | 3 | 87 | 2 | 79 | 2 | 79 |
| 20 | 17-23 - | 5 | 98 | 3 | 81 | 2 | 73 | 2 | 69 | 2 | 72 | 2 | 72 | 2 | 73 | 3 | 92 | 2 | 80 | 1 | 82 | 2 | 96 | 2 | 95 | 2 | 89 | 2 | 81 | 2 | 81 |
| 21 | 24-30 - | 4 | 102 | 2 | 83 | 2 | 75 | 1 | 70 | 2 | 74 | 2 | 74 | 2 | 75 | 3 | 95 | 2 | 82 | 3 | 85 | 3 | 99 | 2 | 97 | 3 | 92 | 2 | 83 | 3 | 84 |
| | Spring Totals | 62 | | 49 | | 43 | | 43 | | 46 | | 46 | | 45 | | 55 | | 50 | | 51 | | 59 | | 55 | | 55 | | 49 | | 50 | |
| 22 | May 31-June 6 | 3 | 105 | 2 | 85 | 2 | 77 | 3 | 73 | 2 | 76 | 2 | 76 | 2 | 77 | 3 | 98 | 2 | 84 | 2 | 87 | 2 | 101 | 2 | 99 | 2 | 94 | 1 | 84 | 2 | 86 |
| 23 | June 7-13 - | 2 | 107 | 4 | 89 | 4 | 81 | 4 | 77 | 4 | 80 | 3 | 79 | 4 | 81 | 3 | 101 | 4 | 88 | 5 | 92 | 2 | 103 | 3 | 102 | 3 | 97 | 4 | 88 | 4 | 90 |
| 24 | 14-20 - | 3 | 110 | 2 | 91 | 2 | 83 | 2 | 79 | 1 | 81 | 2 | 81 | 2 | 83 | 2 | 103 | 1 | 89 | 2 | 94 | 3 | 106 | 2 | 104 | 2 | 99 | 2 | 90 | 2 | 92 |
| 25 | 21-27 - | 5 | 115 | 3 | 94 | 2 | 85 | 2 | 81 | 2 | 83 | 2 | 83 | 2 | 85 | 3 | 106 | 3 | 92 | 2 | 96 | 4 | 110 | 2 | 106 | 3 | 102 | 3 | 93 | 2 | 94 |
| 26 | June 28-July 4 | 5 | 120 | 3 | 97 | 3 | 88 | 2 | 83 | 3 | 86 | 2 | 85 | 3 | 88 | 4 | 110 | 3 | 95 | 4 | 100 | 5 | 115 | 4 | 110 | 4 | 106 | 3 | 96 | 3 | 97 |
| 27 | July 5-11 - | 3 | 123 | 2 | 99 | 2 | 90 | 3 | 86 | 3 | 89 | 3 | 88 | 3 | 91 | 3 | 113 | 4 | 99 | 4 | 104 | 3 | 118 | 4 | 114 | 4 | 110 | 4 | 100 | 4 | 101 |
| 28 | 12-18 - | 5 | 128 | 4 | 103 | 4 | 94 | 3 | 89 | 4 | 93 | 3 | 91 | 3 | 94 | 5 | 118 | 4 | 103 | 5 | 109 | 6 | 124 | 6 | 120 | 5 | 115 | 4 | 104 | 4 | 105 |
| 29 | 19-25 - | 5 | 133 | 3 | 106 | 3 | 97 | 3 | 92 | 4 | 97 | 4 | 95 | 3 | 97 | 4 | 122 | 5 | 108 | 5 | 114 | 5 | 129 | 5 | 125 | 5 | 120 | 5 | 109 | 4 | 109 |
| 30 | July 26-Aug. 1 | 3 | 136 | 3 | 109 | 4 | 101 | 4 | 96 | 3 | 100 | 3 | 98 | 4 | 101 | 2 | 124 | 4 | 112 | 5 | 119 | 5 | 134 | 6 | 131 | 4 | 124 | 4 | 113 | 4 | 113 |
| 31 | Aug. 2-8 - | 7 | 143 | 6 | 115 | 4 | 105 | 5 | 101 | 6 | 106 | 5 | 103 | 5 | 106 | 7 | 131 | 5 | 117 | 6 | 125 | 7 | 141 | 7 | 138 | 6 | 130 | 5 | 118 | 6 | 119 |
| 32 | 9-15 - | 4 | 147 | 2 | 117 | 1 | 106 | 1 | 102 | 2 | 108 | 1 | 104 | 1 | 107 | 1 | 132 | 1 | 118 | 3 | 128 | 2 | 143 | 3 | 141 | 2 | 132 | 3 | 121 | 1 | 120 |
| 33 | 16-22 - | 2 | 149 | 2 | 119 | 2 | 108 | 2 | 104 | 2 | 110 | 1 | 105 | 2 | 109 | 2 | 134 | 2 | 120 | 1 | 129 | 3 | 146 | 4 | 145 | 3 | 135 | 2 | 123 | 2 | 122 |
| 34 | 23-29 - | 5 | 154 | 5 | 124 | 4 | 112 | 3 | 107 | 3 | 113 | 2 | 107 | 3 | 112 | 6 | 140 | 4 | 124 | 3 | 132 | 6 | 152 | 6 | 151 | 5 | 140 | 2 | 125 | 4 | 126 |
| | Summer Totals | 52 | | 41 | | 37 | | 37 | | 39 | | 33 | | 37 | | 45 | | 42 | | 47 | | 53 | | 54 | | 48 | | 42 | | 42 | |
| 35 | Aug. 30-Sept. 5 | 2 | 156 | 1 | 125 | 1 | 113 | 1 | 108 | 1 | 114 | 0 | 107 | 1 | 113 | 0 | 140 | 1 | 125 | 1 | 133 | 1 | 153 | 1 | 152 | 1 | 141 | 2 | 127 | 1 | 127 |
| 36 | Sept. 6-12 - | 4 | 160 | 2 | 127 | 4 | 117 | 4 | 112 | 4 | 118 | 4 | 111 | 4 | 117 | 4 | 144 | 5 | 130 | 5 | 138 | 5 | 158 | 6 | 158 | 5 | 146 | 6 | 133 | 5 | 132 |
| 37 | 13-19 - | 7 | 167 | 6 | 133 | 4 | 121 | 4 | 116 | 5 | 123 | 4 | 115 | 5 | 122 | 6 | 150 | 7 | 137 | 6 | 144 | 6 | 164 | 5 | 163 | 6 | 152 | 6 | 139 | 5 | 137 |
| 38 | 20-26 - | 4 | 171 | 1 | 134 | 1 | 122 | 1 | 117 | 1 | 124 | 1 | 116 | 1 | 123 | 1 | 151 | 1 | 138 | 0 | 144 | 1 | 165 | 1 | 164 | 1 | 153 | 1 | 140 | 1 | 138 |
| 39 | Sept. 27-Oct. 3 | 6 | 177 | 3 | 137 | 1 | 123 | 1 | 118 | 1 | 125 | 0 | 116 | 1 | 124 | 3 | 154 | 2 | 140 | 1 | 145 | 3 | 168 | 1 | 165 | 2 | 155 | 0 | 140 | 2 | 140 |
| 40 | Oct. 4-10 - | 4 | 181 | 3 | 140 | 2 | 125 | 2 | 120 | 0 | 125 | 0 | 116 | 1 | 125 | 2 | 156 | 1 | 141 | 1 | 146 | 2 | 170 | 2 | 167 | 1 | 156 | 0 | 140 | 1 | 141 |
| 41 | 11-17 - | 3 | 184 | 2 | 142 | 2 | 127 | 3 | 123 | 2 | 127 | 4 | 120 | 3 | 128 | 3 | 159 | 1 | 142 | 3 | 149 | 4 | 174 | 2 | 169 | 3 | 159 | 3 | 143 | 3 | 144 |
| 42 | 18-25 - | 2 | 186 | 4 | 146 | 4 | 131 | 5 | 128 | 4 | 131 | 5 | 125 | 4 | 132 | 1 | 160 | 3 | 145 | 4 | 153 | 1 | 175 | 3 | 172 | 2 | 161 | 4 | 147 | 3 | 147 |
| 43 | Oct. 26-31 - | 5 | 191 | 6 | 152 | 6 | 137 | 6 | 134 | 6 | 137 | 6 | 131 | 6 | 138 | 5 | 165 | 6 | 151 | 6 | 159 | 5 | 180 | 5 | 177 | 5 | 166 | 7 | 154 | 5 | 152 |
| 44 | Nov. 1-7 - | 6 | 197 | 6 | 158 | 6 | 143 | 6 | 140 | 6 | 143 | 5 | 136 | 6 | 144 | 5 | 170 | 5 | 156 | 6 | 165 | 5 | 185 | 5 | 182 | 5 | 171 | 4 | 158 | 6 | 158 |
| 45 | 8-14 - | 7 | 204 | 6 | 164 | 4 | 147 | 3 | 143 | 4 | 147 | 4 | 140 | 4 | 148 | 7 | 177 | 7 | 163 | 5 | 170 | 7 | 192 | 6 | 188 | 7 | 178 | 6 | 164 | 5 | 163 |
| 46 | 15-21 - | 3 | 207 | 4 | 168 | 5 | 152 | 5 | 148 | 2 | 149 | 3 | 143 | 4 | 152 | 1 | 178 | 2 | 165 | 2 | 172 | 2 | 194 | 2 | 190 | 2 | 180 | 3 | 167 | 3 | 166 |
| 47 | 22-28 - | 6 | 213 | 5 | 173 | 5 | 157 | 5 | 153 | 4 | 153 | 5 | 148 | 5 | 157 | 6 | 184 | 6 | 171 | 5 | 177 | 6 | 200 | 6 | 196 | 6 | 186 | 4 | 171 | 6 | 172 |
| | Autumn Totals | 59 | | 49 | | 45 | | 46 | | 40 | | 41 | | 45 | | 44 | | 47 | | 45 | | 48 | | 45 | | 46 | | 46 | | 46 | |
| 48 | Nov. 29-Dec. 5 | 7 | 220 | 6 | 179 | 5 | 162 | 5 | 158 | 6 | 159 | 6 | 154 | 6 | 163 | 7 | 191 | 7 | 178 | 7 | 184 | 7 | 207 | 7 | 203 | 7 | 193 | 6 | 177 | 7 | 179 |
| 49 | Dec. 6-12 - | 5 | 225 | 5 | 184 | 5 | 167 | 6 | 164 | 5 | 164 | 7 | 161 | 5 | 168 | 4 | 195 | 5 | 183 | 6 | 190 | 6 | 213 | 6 | 209 | 5 | 198 | 7 | 184 | 5 | 184 |
| 50 | 13-19 - | 5 | 230 | 4 | 188 | 6 | 173 | 6 | 170 | 5 | 169 | 6 | 167 | 5 | 173 | 6 | 201 | 6 | 189 | 6 | 196 | 6 | 219 | 6 | 215 | 6 | 204 | 7 | 191 | 5 | 189 |
| 51 | 20-26 - | 3 | 233 | 3 | 191 | 5 | 178 | 5 | 175 | 4 | 173 | 4 | 171 | 4 | 177 | 3 | 204 | 4 | 193 | 4 | 200 | 4 | 223 | 5 | 220 | 4 | 208 | 5 | 196 | 4 | 193 |
| 52 | Dec. 27-Jan. 2 | 6 | 239 | 4 | 195 | 5 | 183 | 6 | 181 | 6 | 179 | 6 | 177 | 6 | 183 | 6 | 210 | 6 | 199 | 7 | 207 | 6 | 229 | 7 | 227 | 6 | 214 | 7 | 203 | 6 | 199 |

(4503—19.) Wt. 229—611. 450. 5/15. D & S. G. 17/ 38.

# TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF RAINFALL IN EACH DISTRICT DURING THE YEAR 1914.

| 1914. | | 0. Scotland, N. | | Eastern Districts. | | | | | | | | | | | | Western Districts. | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1. Scotland, E. | | 2. England, N.E. | | 3. England, E. | | 4. Midland Counties. | | 5. England, S.E. | | Means for Eastern Districts. | | 6. Scotland, W. | | 7. England, N.W. and North Wales. | | 8. South Wales and England, S.W. | | 9. Ireland, N. | | 10. Ireland, S. | | Means for Western Districts. | | 11. English Channel. | | Means for Districts 1-10 combined. | |
| No. of Week. | Limiting Dates of each Week. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. |
| | | RAINFALL IN INCHES—1914. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **1914.** | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. |
| 1 | Jan. 4-10 - | 1·95 | 1·95 | 1·28 | 1·28 | 1·02 | 1·02 | 1·25 | 1·25 | 0·66 | 0·66 | 0·51 | 0·51 | 0·94 | 0·94 | 1·80 | 1·80 | 1·44 | 1·44 | 0·99 | 0·99 | 0·82 | 0·82 | 0·78 | 0·78 | 1·17 | 1·17 | 0·97 | 0·97 | 1·06 | 1·06 |
| 2 | 11-17 - | 0·05 | 2·00 | 0·10 | 1·38 | 0·30 | 1·32 | 0·11 | 1·36 | 0·05 | 1·71 | 0·05 | 0·56 | 0·12 | 1·06 | 0·01 | 1·81 | 0·03 | 1·47 | 0·01 | 1·00 | 0·00 | 0·82 | 0·04 | 0·82 | 0·02 | 1·19 | 0·08 | 1·05 | 0·07 | 1·13 |
| 3 | 18-24 - | 0·48 | 2·48 | 0·12 | 1·50 | 0·09 | 1·41 | 0·04 | 1·40 | 0·01 | 0·72 | 0·00 | 0·56 | 0·05 | 1·11 | 0·64 | 2·45 | 0·14 | 1·61 | 0·02 | 1·02 | 0·24 | 1·06 | 0·41 | 1·23 | 0·29 | 1·48 | 0·03 | 1·08 | 0·17 | 1·30 |
| 4 | Jan. 25-31 - | 3·34 | 5·82 | 0·81 | 2·31 | 0·12 | 1·53 | 0·05 | 1·45 | 0·27 | 0·99 | 0·41 | 0·97 | 0·33 | 1·44 | 1·16 | 3·61 | 0·74 | 2·35 | 0·88 | 1·88 | 0·90 | 1·96 | 1·17 | 2·40 | 0·98 | 2·44 | 0·40 | 1·48 | 0·64 | 1·94 |
| 5 | Feb. 1-7 - | 2·16 | 7·98 | 0·55 | 2·86 | 0·14 | 1·67 | 0·14 | 1·59 | 0·21 | 1·20 | 0·55 | 1·52 | 0·32 | 1·76 | 1·03 | 4·64 | 0·26 | 2·61 | 0·65 | 2·53 | 1·88 | 3·84 | 1·45 | 3·85 | 1·05 | 3·49 | 0·31 | 1·79 | 0·69 | 2·63 |
| 6 | 8-14 - | 1·65 | 9·63 | 0·85 | 3·71 | 0·40 | 2·07 | 0·58 | 2·17 | 0·78 | 1·96 | 1·31 | 2·83 | 0·78 | 2·54 | 1·35 | 5·99 | 1·27 | 3·88 | 1·91 | 4·44 | 1·35 | 5·19 | 1·85 | 5·70 | 1·55 | 5·04 | 1·63 | 3·42 | 1·16 | 3·79 |
| 7 | 15-21 - | 1·19 | 10·82 | 0·84 | 4·55 | 0·45 | 2·52 | 0·88 | 3·05 | 0·84 | 2·80 | 1·57 | 4·40 | 0·92 | 3·46 | 2·08 | 8·07 | 1·10 | 4·98 | 1·52 | 5·96 | 1·59 | 6·78 | 2·18 | 7·88 | 1·70 | 6·74 | 1·72 | 5·14 | 1·31 | 5·10 |
| 8 | Feb. 22-28 - | 0·69 | 11·51 | 0·43 | 4·98 | 0·17 | 2·69 | 0·08 | 3·13 | 0·16 | 2·96 | 0·18 | 4·58 | 0·20 | 3·66 | 0·99 | 9·06 | 0·60 | 5·58 | 0·50 | 6·46 | 0·74 | 7·52 | 0·84 | 8·72 | 0·73 | 7·47 | 0·23 | 5·37 | 0·47 | 5·57 |
| | Winter Totals | 19·10 | | 7·57 | | 3·83 | | 3·91 | | 4·28 | | 6·28 | | 5·16 | | 13·65 | | 8·44 | | 9·75 | | 11·46 | | 11·46 | | 10·96 | | 9·01 | | 8·07 | |
| 9 | Mar. 1-7 - | 1·68 | 13·19 | 0·67 | 5·65 | 0·30 | 2·99 | 0·46 | 3·59 | 0·49 | 3·45 | 0·45 | 5·03 | 0·48 | 4·14 | 1·17 | 10·23 | 0·99 | 6·57 | 1·16 | 7·62 | 1·33 | 8·85 | 0·93 | 9·65 | 1·12 | 8·59 | 0·62 | 5·99 | 0·80 | 6·37 |
| 10 | 8-14 - | 0·84 | 14·03 | 0·81 | 6·46 | 0·57 | 3·56 | 1·74 | 5·33 | 1·20 | 4·65 | 2·04 | 7·07 | 1·27 | 5·40 | 1·62 | 11·85 | 0·89 | 7·46 | 2·61 | 10·26 | 1·28 | 10·13 | 1·28 | 10·93 | 1·54 | 10·13 | 1·70 | 7·69 | 1·40 | 7·77 |
| 11 | 15-21 - | 0·83 | 14·86 | 1·06 | 7·52 | 0·68 | 4·24 | 1·01 | 6·34 | 0·61 | 5·26 | 1·48 | 8·55 | 0·97 | 6·37 | 1·08 | 12·93 | 1·00 | 8·46 | 1·19 | 11·45 | 0·81 | 10·94 | 0·75 | 11·68 | 0·97 | 11·10 | 1·31 | 9·00 | 0·97 | 8·74 |
| 12 | 22-28 - | 0·35 | 15·21 | 0·46 | 7·98 | 0·26 | 4·50 | 0·27 | 6·61 | 0·39 | 5·65 | 0·72 | 9·27 | 0·42 | 6·79 | 0·63 | 13·56 | 0·41 | 8·87 | 1·01 | 12·46 | 0·57 | 11·51 | 1·41 | 13·09 | 0·80 | 11·90 | 1·69 | 10·69 | 0·61 | 9·35 |
| 13 | Mar. 29-Apr. 4 | 1·13 | 16·34 | 0·64 | 8·62 | 0·25 | 4·75 | 0·31 | 6·92 | 0·48 | 6·13 | 0·44 | 9·71 | 0·43 | 7·22 | 1·21 | 14·77 | 0·51 | 9·38 | 0·94 | 13·40 | 1·01 | 12·52 | 1·22 | 14·31 | 0·98 | 12·88 | 0·64 | 11·33 | 0·79 | 10·05 |
| 14 | April 5-11 - | 1·51 | 17·85 | 0·53 | 9·15 | 0·42 | 5·17 | 0·39 | 7·31 | 0·68 | 6·81 | 0·79 | 10·50 | 0·56 | 7·78 | 0·95 | 15·72 | 0·50 | 9·88 | 1·26 | 14·66 | 0·96 | 13·48 | 0·71 | 15·02 | 0·87 | 13·76 | 0·76 | 12·09 | 0·72 | 10·77 |
| 15 | 12-18 - | 0·92 | 18·77 | 0·05 | 9·20 | 0·00 | 5·17 | 0·00 | 7·31 | 0·00 | 6·81 | 0·09 | 10·50 | 0·01 | 7·79 | 0·52 | 16·24 | 0·07 | 9·95 | 0·00 | 14·66 | 0·37 | 13·85 | 0·17 | 15·19 | 0·23 | 13·99 | 0·00 | 12·09 | 0·12 | 10·89 |
| 16 | 19-25 - | 0·45 | 19·22 | 0·16 | 9·36 | 0·11 | 5·28 | 0·10 | 7·41 | 0·01 | 6·82 | 0·04 | 10·54 | 0·08 | 7·87 | 0·42 | 16·66 | 0·17 | 10·12 | 0·02 | 14·68 | 0·19 | 14·04 | 0·05 | 15·24 | 0·17 | 14·16 | 0·04 | 12·13 | 0·12 | 11·01 |
| 17 | April 26-May 2 | 0·03 | 19·25 | 0·08 | 9·44 | 0·05 | 5·33 | 0·00 | 7·41 | 0·01 | 6·83 | 0·02 | 10·56 | 0·03 | 7·90 | 0·08 | 16·74 | 0·02 | 10·14 | 0·05 | 14·73 | 0·04 | 14·08 | 0·09 | 15·33 | 0·06 | 14·22 | 0·07 | 12·20 | 0·05 | 11·06 |
| 18 | May 3-9 - | 1·66 | 20·91 | 1·69 | 11·13 | 0·76 | 6·09 | 0·69 | 8·10 | 0·73 | 7·56 | 0·63 | 11·19 | 0·30 | 8·80 | 1·12 | 17·86 | 1·36 | 11·50 | 1·31 | 16·04 | 1·33 | 15·41 | 1·11 | 16·44 | 1·24 | 15·46 | 0·68 | 12·88 | 1·07 | 12·13 |
| 19 | 10-16 - | 0·39 | 21·30 | 0·19 | 11·32 | 0·13 | 6·22 | 0·14 | 8·24 | 0·13 | 7·69 | 0·15 | 11·34 | 0·15 | 8·95 | 0·27 | 18·13 | 0·14 | 11·64 | 0·23 | 16·27 | 0·24 | 15·65 | 0·10 | 16·54 | 0·19 | 15·65 | 0·07 | 12·95 | 0·17 | 12·30 |
| 20 | 17-23 - | 0·59 | 21·89 | 0·41 | 11·73 | 0·67 | 6·89 | 0·29 | 8·53 | 0·35 | 8·04 | 0·37 | 11·71 | 0·42 | 9·37 | 0·28 | 18·41 | 0·37 | 12·01 | 0·19 | 16·46 | 0·14 | 15·79 | 0·21 | 16·75 | 0·24 | 15·89 | 0·32 | 13·27 | 0·33 | 12·63 |
| 21 | 24-30 - | 0·39 | 22·28 | 0·20 | 11·93 | 0·06 | 6·95 | 0·04 | 8·57 | 0·19 | 8·23 | 0·10 | 11·81 | 0·12 | 9·49 | 0·28 | 18·69 | 0·15 | 12·16 | 0·21 | 16·67 | 0·20 | 15·99 | 0·08 | 16·83 | 0·18 | 16·07 | 0·11 | 13·38 | 0·15 | 12·78 |
| | Spring Totals | 10·77 | | 6·95 | | 4·26 | | 5·44 | | 5·27 | | 7·23 | | 5·84 | | 9·63 | | 6·58 | | 10·21 | | 8·47 | | 8·11 | | 8·59 | | 8·01 | | 7·21 | |
| 22 | May 31-June 6 | 0·30 | 22·58 | 0·18 | 12·11 | 0·05 | 7·00 | 0·19 | 8·76 | 0·09 | 8·32 | 0·24 | 12·05 | 0·15 | 9·64 | 0·13 | 18·82 | 0·16 | 12·32 | 0·17 | 16·84 | 0·19 | 16·18 | 0·14 | 16·97 | 0·16 | 16·23 | 0·06 | 13·44 | 0·16 | 12·94 |
| 23 | June 7-13 - | 0·10 | 22·68 | 0·49 | 12·60 | 1·73 | 8·73 | 1·10 | 9·86 | 1·67 | 9·99 | 0·49 | 12·54 | 1·10 | 10·74 | 0·21 | 19·03 | 0·82 | 13·14 | 1·29 | 18·13 | 0·26 | 16·44 | 0·28 | 17·25 | 0·57 | 16·80 | 0·65 | 14·09 | 0·83 | 13·77 |
| 24 | 14-20 - | 0·30 | 22·98 | 0·21 | 12·81 | 0·50 | 9·23 | 0·29 | 10·15 | 0·16 | 10·15 | 0·26 | 12·80 | 0·28 | 11·02 | 0·28 | 19·31 | 0·35 | 13·49 | 0·25 | 18·38 | 0·54 | 16·98 | 0·37 | 17·62 | 0·36 | 17·16 | 0·31 | 14·40 | 0·32 | 14·09 |
| 25 | 21-27 - | 0·48 | 23·46 | 0·34 | 13·15 | 0·40 | 9·63 | 0·24 | 10·39 | 0·24 | 10·39 | 0·26 | 13·06 | 0·30 | 11·32 | 0·24 | 19·55 | 0·39 | 13·88 | 0·23 | 18·61 | 0·23 | 17·21 | 0·23 | 17·85 | 0·26 | 17·42 | 0·31 | 14·71 | 0·28 | 14·37 |
| 26 | June 28-July 4 | 0·58 | 24·04 | 0·95 | 14·10 | 1·47 | 11·10 | 0·44 | 10·83 | 1·33 | 11·72 | 0·39 | 13·45 | 0·92 | 12·24 | 0·84 | 20·39 | 1·14 | 15·02 | 1·47 | 20·08 | 0·66 | 17·87 | 0·84 | 18·69 | 0·99 | 18·41 | 0·65 | 15·36 | 0·96 | 15·33 |
| 27 | July 5-11 - | 0·68 | 24·72 | 0·43 | 14·53 | 0·17 | 11·27 | 0·37 | 11·20 | 0·56 | 12·28 | 0·54 | 13·99 | 0·41 | 12·65 | 0·30 | 20·69 | 0·41 | 15·43 | 0·76 | 20·84 | 0·31 | 18·18 | 0·49 | 19·18 | 0·45 | 18·86 | 0·89 | 16·25 | 0·43 | 15·76 |
| 28 | 12-18 - | 0·28 | 25·00 | 0·89 | 15·42 | 1·08 | 12·35 | 0·72 | 11·92 | 0·58 | 12·86 | 0·53 | 14·52 | 0·76 | 13·41 | 0·82 | 21·51 | 1·17 | 16·60 | 0·46 | 21·30 | 0·89 | 19·07 | 0·86 | 20·04 | 0·84 | 19·70 | 0·18 | 16·43 | 0·80 | 16·56 |
| 29 | 19-25 - | 0·99 | 25·99 | 0·46 | 15·88 | 0·24 | 12·59 | 0·23 | 12 15 | 0·76 | 13·62 | 1·09 | 15·52 | 0·54 | 13·95 | 0·21 | 21·72 | 0·80 | 17·40 | 1·45 | 22·75 | 0·53 | 19·60 | 0·42 | 20·46 | 0·68 | 20·38 | 1·08 | 17·51 | 0·61 | 17·17 |
| 30 | July 26-Aug. 1 | 0·24 | 26·23 | 0·49 | 16·37 | 0·54 | 13·13 | 0·45 | 12·60 | 0·66 | 14·28 | 0·28 | 15·80 | 0·48 | 14·43 | 0·83 | 22·55 | 0·80 | 18·20 | 1·33 | 24·08 | 0·82 | 20·42 | 1·11 | 21·57 | 0·98 | 21·36 | 0·46 | 18·97 | 0·73 | 17·90 |
| 31 | Aug. 2-8 - | 1·42 | 27·65 | 1·41 | 17·78 | 0·58 | 13·71 | 0·74 | 13·34 | 0·70 | 14·98 | 0·84 | 16·64 | 0·85 | 15·28 | 2·11 | 24·66 | 1·00 | 19·20 | 1·04 | 25·12 | 1·20 | 21·62 | 1·21 | 22·78 | 1·31 | 22·67 | 0·97 | 18·94 | 1·08 | 18·98 |
| 32 | 9-15 - | 0·59 | 28·24 | 0·13 | 17·91 | 0·01 | 13·72 | 0·01 | 13·35 | 0·17 | 15·15 | 0·33 | 16·97 | 0·13 | 15·41 | 0·14 | 24·80 | 0·08 | 19·28 | 0·88 | 26·00 | 0·57 | 22·19 | 0·92 | 23·70 | 0·52 | 23·19 | 0·79 | 19·73 | 0·33 | 19·31 |
| 33 | 16-22 - | 0·29 | 28·50 | 0·24 | 18·15 | 0·26 | 13·98 | 0·12 | 13·47 | 0·11 | 15·26 | 0·05 | 17·02 | 0·16 | 15·57 | 0·48 | 25·28 | 0·14 | 19·42 | 0·20 | 26·20 | 0·41 | 22·60 | 0·72 | 24·42 | 0·39 | 23·58 | 0·04 | 19·77 | 0·27 | 19·58 |
| 34 | 23-29 - | 0·85 | 29·35 | 0·51 | 18·66 | 0·56 | 14·54 | 0·20 | 13·67 | 0·68 | 15·94 | 0·30 | 17·32 | 0·45 | 16·02 | 1·65 | 26·93 | 0·74 | 20·16 | 0·70 | 26·90 | 1·43 | 24·03 | 1·71 | 26·13 | 1·25 | 24·83 | 0·48 | 20·25 | 0·85 | 20·43 |
| | Summer Totals | 7·07 | | 6·73 | | 7·59 | | 5·10 | | 7·71 | | 5·51 | | 6·53 | | 8·24 | | 8·00 | | 10·23 | | 8·04 | | 9·30 | | 8·76 | | 6·87 | | 7·65 | |
| 35 | Aug. 30-Sept. 5 | 0·23 | 29·58 | 0·01 | 18·70 | 0·07 | 14·61 | 0·01 | 13·68 | 0·01 | 15·95 | 0·00 | 17·32 | 0·03 | 16·05 | 0·00 | 26·93 | 0·04 | 20·20 | 0·03 | 26·93 | 0·01 | 24·04 | 0·03 | 26·16 | 0·02 | 24·85 | 0·27 | 20·52 | 0·03 | 20·46 |
| 36 | Sept. 6-12 - | 0·67 | 30·25 | 0·15 | 18·85 | 0·40 | 15·01 | 0·57 | 14·25 | 0·57 | 16·52 | 0·65 | 17·97 | 0·47 | 16·52 | 0·80 | 27·73 | 1·29 | 21·49 | 1·38 | 28·29 | 0·75 | 24·79 | 1·27 | 27·43 | 1·09 | 25·94 | 1·70 | 22·22 | 0·78 | 21·24 |
| 37 | 13-19 - | 1·65 | 31·90 | 0·84 | 19·69 | 0·81 | 15·82 | 0·34 | 14·59 | 0·51 | 17·03 | 0·39 | 18·36 | 0·58 | 17·10 | 1·13 | 28·86 | 1·70 | 23·19 | 1·02 | 29·31 | 0·90 | 25·69 | 1·48 | 28·91 | 1·25 | 27·19 | 1·45 | 23·67 | 0·91 | 22·15 |
| 38 | 20-26 - | 0·32 | 32·22 | 0·07 | 19·76 | 0·02 | 15·84 | 0·14 | 14·73 | 0·01 | 17·04 | 0·02 | 18·38 | 0·05 | 17·15 | 0·27 | 29·13 | 0·01 | 23·20 | 0·00 | 29·31 | 0·17 | 25·86 | 0·27 | 29·18 | 0·14 | 27·33 | 0·01 | 23·68 | 0·10 | 22·25 |
| 39 | Sept. 27-Oct. 3 | 0·85 | 33·07 | 0·22 | 19·98 | 0·03 | 15·87 | 0·01 | 14·74 | 0·02 | 17·06 | 0·00 | 18·38 | 0·06 | 17·21 | 0·31 | 29·44 | 0·11 | 23·31 | 0 01 | 29·32 | 0·10 | 25·96 | 0·02 | 29·20 | 0·11 | 27·44 | 0·00 | 23·68 | 0·08 | 22·33 |
| 40 | Oct. 4-10 - | 0·31 | 33·38 | 0·13 | 20·11 | 0·06 | 15·93 | 0·05 | 14·79 | 0·00 | 17·06 | 0·00 | 18·38 | 0·05 | 17·26 | 0·17 | 29·61 | 0·05 | 23·36 | 0·01 | 29·33 | 0·07 | 26·03 | 0·05 | 29·25 | 0·07 | 27·51 | 0·00 | 23·68 | 0·06 | 22·39 |
| 41 | 11-17 - | 0·33 | 33·71 | 0·17 | 20·28 | 0·12 | 16·05 | 0·33 | 15·12 | 0·53 | 17·59 | 0·62 | 19·00 | 0·35 | 17·61 | 0·38 | 29·99 | 0·38 | 23·44 | 0·38 | 29·71 | 0·35 | 26·38 | 0·54 | 29·79 | 0·35 | 27·86 | 0·55 | 24·23 | 0·35 | 22·74 |
| 42 | 18-25 - | 0·12 | 33·83 | 0·34 | 20·62 | 0·21 | 16·26 | 0·54 | 15·66 | 0·55 | 18·14 | 0·69 | 19·69 | 0·46 | 18·07 | 0·01 | 30·00 | 0·10 | 23·54 | 0·80 | 30·51 | 0·04 | 26·42 | 0·41 | 30·20 | 0·27 | 28·13 | 0·64 | 24·87 | 0·37 | 23·11 |
| 43 | Oct. 26-31 - | 0·75 | 34·58 | 1·11 | 21·73 | 1·57 | 17·83 | 1·10 | 16·76 | 1·07 | 19·21 | 1·34 | 21·03 | 1·24 | 19·31 | 1·43 | 31·43 | 1·38 | 24·92 | 1·55 | 32·06 | 1·20 | 27·62 | 1·37 | 31·57 | 1·39 | 29·52 | 2·21 | 27·08 | 1·31 | 24·42 |
| 44 | Nov. 1-7 - | 1·02 | 35·60 | 1·47 | 23·20 | 0·85 | 18·68 | 0·64 | 17·40 | 1·25 | 20·46 | 1·14 | 22·17 | 1·07 | 20·38 | 0·93 | 32·36 | 0·77 | 25·69 | 1·32 | 33·38 | 0·54 | 28·16 | 0·66 | 32·23 | 0·85 | 30·37 | 0·63 | 27·71 | 0·93 | 25·38 |
| 45 | 8-14 - | 2·32 | 37·92 | 0·83 | 24·03 | 0·54 | 19·22 | 0·47 | 17·87 | 0·79 | 21·25 | 0·40 | 22·57 | 0·61 | 20·99 | 1·66 | 34·02 | 1·91 | 27·60 | 1·07 | 34·45 | 1·50 | 29·66 | 1·48 | 33·71 | 1·52 | 31·89 | 0·74 | 28·45 | 1·07 | 26·45 |
| 46 | 15-21 - | 0·29 | 38·21 | 0·39 | 24·42 | 0·60 | 19·82 | 0·62 | 18·49 | 0·20 | 21·45 | 0·74 | 23·31 | 0·51 | 21·50 | 0·05 | 34·07 | 0·23 | 27·83 | 0·51 | 34·96 | 0·09 | 29·75 | 0·24 | 33·95 | 0·23 | 32·12 | 0·88 | 29·33 | 0·37 | 26·82 |
| 47 | 22-28 - | 1·74 | 39·95 | 0·81 | 25·23 | 0·58 | 20·40 | 0·64 | 19·13 | 0·63 | 22·08 | 0·84 | 24·15 | 0·70 | 22·20 | 1·87 | 35·94 | 1·35 | 29·18 | 1·00 | 35·96 | 1·47 | 31·22 | 0·99 | 34·94 | 1·33 | 33·45 | 0·49 | 29·82 | 1·01 | 27·83 |
| | Autumn Totals | 10 60 | | 6·57 | | 5·86 | | 5·46 | | 6·14 | | 6·83 | | 6·18 | | 9·01 | | 9·02 | | 9·06 | | 7·19 | | 8·81 | | 8·62 | | 9·57 | | 7 40 | |
| 48 | Nov. 29-Dec. 5 | 4·19 | 44·14 | 2·31 | 27·54 | 0·86 | 21·26 | 0·51 | 19·64 | 1·52 | 23·60 | 1·57 | 25·72 | 1·35 | 23·55 | 3·16 | 39·10 | 2·52 | 31·70 | 2·38 | 38·34 | 2·39 | 33·61 | 3·03 | 37·97 | 2·70 | 36·15 | 1·72 | 31·54 | 2·03 | 29·86 |
| 49 | Dec. 6-12 - | 1·84 | 45·98 | 1·19 | 28·73 | 0·88 | 22·14 | 1·75 | 21·39 | 1·11 | 24·71 | 2·70 | 28·42 | 1·53 | 25·08 | 1·00 | 40·10 | 0·63 | 32·33 | 1·80 | 40·14 | 1·27 | 34·88 | 1·44 | 39·41 | 1·23 | 37·38 | 2·69 | 34·23 | 1·38 | 31·24 |
| 50 | 13-19 - | 1·48 | 47·46 | 1·30 | 30·03 | 0·87 | 23·01 | 1·63 | 23·02 | 1·23 | 25·94 | 1·80 | 30·22 | 1·37 | 26·45 | 1·07 | 41·17 | 1·59 | 33·92 | 1·76 | 41·90 | 1·04 | 35·92 | 1·14 | 40·55 | 1·32 | 38·70 | 1·88 | 36·11 | 1·34 | 32·58 |
| 51 | 20-26 - | 0·66 | 48·12 | 0·66 | 30·69 | 0·80 | 23·81 | 0·59 | 23·61 | 0·83 | 26·77 | 0·96 | 31·18 | 0·77 | 27·22 | 1·24 | 42·41 | 0·74 | 34·66 | 1·36 | 43·26 | 1·03 | 36·95 | 1·70 | 42·25 | 1·21 | 39·91 | 1·29 | 37·40 | 0·99 | 33·57 |
| 52 | Dec. 27-Jan. 2 | 1·19 | 49·31 | 0·79 | 31·48 | 1·01 | 24·82 | 1·89 | 25·50 | 1·83 | 28·60 | 2·35 | 33·53 | 1·57 | 28·79 | 1·51 | 43·92 | 1·53 | 36·19 | 2·83 | 46·09 | 1·29 | 38·24 | 2·32 | 44·57 | 1·90 | 41·81 | 2·22 | 39·62 | 1·74 | 35·30 |

# TABLE III.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT ABOVE 42° F. IN EACH DISTRICT DURING THE YEAR 1914.

| 1914. | | 0. Scotland, N. | | Eastern Districts. | | | | | | | | | | Western Districts. | | | | | | | | | | | | 11. English Channel. | | Means for Districts 1-10 combined. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1. Scotland, E. | | 2. England, N.E. | | 3. England, E. | | 4. Midland Counties. | | 5. England, S.E. | | Means for Eastern Districts. | | 6. Scotland, W. | | 7. England, N.W. and North Wales. | | 8. South Wales and England, S.W. | | 9. Ireland, N. | | 10. Ireland, S. | | Means for Western Districts. | | | | | |
| No. of Week. | Limiting Dates of each Week. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. |
| | DAY-DEGREES ABOVE 42° FAHRENHEIT—1914. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **1914.** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Jan. 4-10 - | 5 | 5 | 2 | 2 | 8 | 8 | 12 | 12 | 15 | 15 | 25 | 25 | 12 | 12 | 11 | 11 | 20 | 20 | 25 | 25 | 24 | 24 | 30 | 30 | 22 | 22 | 36 | 36 | 17 | 17 |
| 2 | 11-17 - | 0 | 5 | 0 | 2 | 0 | 8 | 0 | 12 | 0 | 15 | 0 | 25 | 0 | 12 | 0 | 11 | 0 | 20 | 0 | 25 | 0 | 24 | 0 | 30 | 0 | 22 | 0 | 36 | 0 | 17 |
| 3 | 18-24 - | 0 | 5 | 0 | 2 | 0 | 8 | 0 | 12 | 0 | 15 | 0 | 25 | 0 | 12 | 0 | 11 | 0 | 20 | 0 | 25 | 0 | 24 | 5 | 35 | 1 | 23 | 0 | 36 | 1 | 18 |
| 4 | Jan. 25--31 - | 11 | 16 | 15 | 17 | 28 | 36 | 14 | 26 | 27 | 42 | 20 | 45 | 21 | 33 | 25 | 36 | 25 | 45 | 26 | 51 | 31 | 55 | 32 | 67 | 28 | 51 | 28 | 64 | 24 | 42 |
| 5 | Feb. 1-7 - | 31 | 47 | 35 | 52 | 37 | 73 | 34 | 60 | 37 | 79 | 30 | 75 | 35 | 68 | 27 | 63 | 41 | 86 | 39 | 90 | 34 | 89 | 50 | 117 | 38 | 89 | 38 | 102 | 37 | 79 |
| 6 | 8-14 - | 12 | 59 | 15 | 67 | 33 | 106 | 34 | 94 | 36 | 115 | 34 | 109 | 30 | 98 | 24 | 87 | 29 | 115 | 32 | 122 | 25 | 114 | 31 | 148 | 28 | 117 | 41 | 143 | 29 | 108 |
| 7 | 15-21 - | 5 | 64 | 6 | 73 | 14 | 120 | 25 | 119 | 16 | 131 | 25 | 134 | 17 | 115 | 10 | 97 | 20 | 135 | 24 | 146 | 13 | 127 | 16 | 164 | 17 | 134 | 27 | 170 | 17 | 125 |
| 8 | Feb. 22-28 - | 12 | 76 | 14 | 87 | 27 | 147 | 20 | 139 | 19 | 150 | 20 | 154 | 20 | 135 | 14 | 111 | 26 | 161 | 26 | 172 | 27 | 154 | 29 | 193 | 24 | 158 | 33 | 203 | 22 | 147 |
| | Winter Totals | 128 | | 132 | | 210 | | 214 | | 225 | | 247 | | 206 | | 168 | | 237 | | 278 | | 240 | | 291 | | 242 | | 358 | | 224 | |
| 9 | Mar. 1-7 - | 4 | 80 | 9 | 96 | 26 | 173 | 31 | 170 | 29 | 179 | 30 | 184 | 25 | 160 | 13 | 124 | 20 | 181 | 28 | 200 | 23 | 177 | 29 | 222 | 23 | 181 | 37 | 240 | 24 | 171 |
| 10 | 8-14 - | 6 | 86 | 6 | 102 | 15 | 188 | 29 | 199 | 20 | 199 | 31 | 215 | 20 | 180 | 10 | 134 | 15 | 196 | 25 | 225 | 15 | 192 | 29 | 251 | 19 | 200 | 36 | 276 | 20 | 191 |
| 11 | 15-21 - | 5 | 91 | 5 | 107 | 8 | 196 | 10 | 209 | 12 | 211 | 15 | 230 | 10 | 190 | 8 | 142 | 9 | 205 | 14 | 239 | 11 | 203 | 16 | 267 | 11 | 211 | 26 | 302 | 10 | 201 |
| 12 | 22-28 - | 14 | 105 | 13 | 120 | 18 | 214 | 22 | 231 | 20 | 251 | 22 | 252 | 19 | 209 | 17 | 159 | 17 | 222 | 27 | 266 | 18 | 221 | 31 | 298 | 22 | 233 | 31 | 333 | 21 | 222 |
| 13 | Mar. 29-April 4 | 30 | 135 | 42 | 162 | 50 | 264 | 53 | 284 | 51 | 282 | 53 | 305 | 50 | 259 | 41 | 200 | 46 | 268 | 54 | 320 | 49 | 270 | 55 | 353 | 49 | 282 | 58 | 391 | 49 | 271 |
| 14 | April 5-11 - | 24 | 159 | 31 | 193 | 39 | 303 | 45 | 329 | 41 | 323 | 41 | 346 | 39 | 298 | 26 | 226 | 31 | 299 | 34 | 354 | 33 | 303 | 37 | 390 | 32 | 314 | 52 | 443 | 36 | 307 |
| 15 | 12-18 - | 39 | 198 | 54 | 247 | 53 | 356 | 53 | 382 | 62 | 385 | 53 | 399 | 55 | 353 | 50 | 276 | 52 | 351 | 49 | 403 | 50 | 353 | 50 | 440 | 50 | 364 | 58 | 501 | 52 | 359 |
| 16 | 19-25 - | 55 | 253 | 72 | 319 | 69 | 425 | 65 | 447 | 78 | 463 | 75 | 474 | 72 | 425 | 63 | 339 | 71 | 422 | 77 | 480 | 62 | 415 | 67 | 507 | 68 | 432 | 82 | 583 | 70 | 429 |
| 17 | April 26-May 2 | 35 | 288 | 55 | 374 | 54 | 479 | 53 | 500 | 64 | 527 | 57 | 531 | 57 | 482 | 46 | 385 | 46 | 468 | 62 | 542 | 48 | 463 | 65 | 572 | 54 | 486 | 81 | 664 | 55 | 484 |
| 18 | May 3-9 - | 30 | 318 | 36 | 410 | 50 | 529 | 70 | 570 | 56 | 583 | 70 | 601 | 56 | 538 | 36 | 421 | 47 | 515 | 59 | 601 | 44 | 507 | 55 | 627 | 48 | 534 | 73 | 737 | 52 | 536 |
| 19 | 10-16 - | 40 | 358 | 51 | 461 | 51 | 580 | 51 | 621 | 58 | 641 | 62 | 663 | 55 | 593 | 48 | 469 | 46 | 561 | 62 | 663 | 47 | 554 | 62 | 689 | 53 | 587 | 72 | 809 | 54 | 590 |
| 20 | 17-23 - | 50 | 408 | 71 | 532 | 97 | 677 | 109 | 730 | 103 | 744 | 113 | 776 | 99 | 692 | 74 | 543 | 92 | 653 | 104 | 767 | 72 | 626 | 93 | 782 | 87 | 674 | 113 | 922 | 93 | 683 |
| 21 | 24-30 - | 41 | 449 | 55 | 587 | 45 | 722 | 51 | 781 | 52 | 796 | 56 | 832 | 52 | 744 | 50 | 593 | 48 | 701 | 56 | 823 | 52 | 678 | 60 | 842 | 53 | 727 | 77 | 992 | 53 | 736 |
| | Spring Totals | 373 | | 500 | | 575 | | 642 | | 646 | | 678 | | 609 | | 482 | | 540 | | 651 | | 524 | | 649 | | 569 | | 796 | | 589 | |
| 22 | May 31-June 6 | 55 | 504 | 67 | 654 | 74 | 796 | 80 | 861 | 85 | 881 | 89 | 921 | 79 | 822 | 69 | 662 | 74 | 775 | 91 | 914 | 65 | 743 | 85 | 927 | 77 | 804 | 100 | 1099 | 78 | 814 |
| 23 | June 7-13 - | 60 | 564 | 63 | 717 | 73 | 869 | 90 | 951 | 85 | 966 | 97 | 1018 | 82 | 904 | 90 | 752 | 85 | 860 | 90 | 1004 | 73 | 816 | 92 | 1019 | 86 | 890 | 90 | 1189 | 84 | 898 |
| 24 | 14-20 - | 99 | 663 | 114 | 831 | 111 | 980 | 123 | 1074 | 134 | 1100 | 127 | 1145 | 122 | 1026 | 129 | 881 | 132 | 992 | 128 | 1132 | 113 | 929 | 132 | 1151 | 127 | 1017 | 116 | 1305 | 124 | 1022 |
| 25 | 21-27 - | 81 | 744 | 97 | 928 | 110 | 1090 | 118 | 1192 | 113 | 1213 | 120 | 1265 | 112 | 1138 | 84 | 965 | 98 | 1090 | 104 | 1236 | 87 | 1016 | 108 | 1259 | 96 | 1113 | 113 | 1418 | 104 | 1126 |
| 26 | June 28-July 4 | 89 | 833 | 112 | 1040 | 142 | 1232 | 172 | 1364 | 153 | 1366 | 158 | 1423 | 147 | 1285 | 104 | 1069 | 127 | 1217 | 135 | 1371 | 102 | 1118 | 121 | 1380 | 118 | 1231 | 141 | 1559 | 132 | 1258 |
| 27 | July 5-11 - | 106 | 939 | 113 | 1153 | 125 | 1357 | 132 | 1496 | 131 | 1497 | 136 | 1559 | 127 | 1412 | 120 | 1189 | 127 | 1344 | 125 | 1496 | 119 | 1237 | 120 | 1500 | 122 | 1353 | 128 | 1687 | 125 | 1383 |
| 28 | 12-18 - | 120 | 1059 | 125 | 1278 | 137 | 1494 | 157 | 1653 | 141 | 1638 | 148 | 1707 | 142 | 1554 | 123 | 1312 | 130 | 1474 | 135 | 1631 | 125 | 1362 | 126 | 1626 | 128 | 1481 | 135 | 1822 | 135 | 1518 |
| 29 | 19-25 - | 97 | 1156 | 113 | 1391 | 125 | 1619 | 143 | 1796 | 130 | 1768 | 136 | 1843 | 129 | 1683 | 119 | 1431 | 127 | 1601 | 123 | 1754 | 111 | 1473 | 124 | 1750 | 121 | 1602 | 130 | 1952 | 125 | 1643 |
| 30 | July 26-Aug. 1 | 88 | 1244 | 86 | 1477 | 100 | 1719 | 113 | 1909 | 106 | 1874 | 115 | 1958 | 104 | 1787 | 92 | 1523 | 104 | 1705 | 107 | 1861 | 97 | 1570 | 106 | 1856 | 101 | 1703 | 122 | 2074 | 102 | 1745 |
| 31 | Aug. 2-8 - | 92 | 1336 | 90 | 1567 | 114 | 1833 | 125 | 2034 | 110 | 1984 | 124 | 2082 | 113 | 1900 | 97 | 1620 | 112 | 1817 | 112 | 1973 | 102 | 1672 | 105 | 1961 | 106 | 1809 | 125 | 2199 | 110 | 1855 |
| 32 | 9-15 - | 106 | 1442 | 116 | 1683 | 134 | 1967 | 149 | 2183 | 141 | 2125 | 156 | 2238 | 139 | 2039 | 132 | 1752 | 146 | 1963 | 143 | 2116 | 130 | 1802 | 138 | 2099 | 138 | 1947 | 158 | 2357 | 138 | 1993 |
| 33 | 16-22 - | 95 | 1537 | 95 | 1778 | 113 | 2080 | 127 | 2310 | 120 | 2245 | 131 | 2369 | 117 | 2156 | 113 | 1865 | 120 | 2083 | 127 | 2243 | 120 | 1922 | 132 | 2231 | 122 | 2069 | 144 | 2501 | 120 | 2113 |
| 34 | 23-29 - | 109 | 1646 | 116 | 1894 | 141 | 2221 | 151 | 2461 | 141 | 2386 | 150 | 2519 | 140 | 2296 | 118 | 1983 | 133 | 2216 | 132 | $2_{375}$ | 119 | 2041 | 124 | 2355 | 125 | 2194 | 145 | 2646 | 132 | 2245 |
| | Summer Totals | 1197 | | 1307 | | 1499 | | 1680 | | 1590 | | 1687 | | 1563 | | 1390 | | 1515 | | 1552 | | 1363 | | 1513 | | 1467 | | 1647 | | 1509 | |
| 35 | Aug. 30-Sept. 5 | 96 | 1742 | 102 | 1996 | 134 | 2355 | 144 | 2605 | 146 | 2532 | 151 | 2670 | 135 | 2431 | 120 | 2103 | 137 | 2353 | 149 | 2524 | 121 | 2162 | 141 | 2496 | 134 | 2328 | 158 | 2804 | 135 | 2380 |
| 36 | Sept. 6-12 - | 95 | 1837 | 95 | 2091 | 120 | 2475 | 138 | 2743 | 125 | 2657 | 141 | 2811 | 124 | 2555 | 110 | 2213 | 124 | 2477 | 133 | 2657 | 112 | 2274 | 129 | 2625 | 122 | 2450 | 146 | 2950 | 123 | 2503 |
| 37 | 13-19 - | 51 | 1888 | 56 | 2147 | 81 | 2556 | 96 | 2839 | 87 | 2744 | 104 | 2915 | 85 | 2640 | 68 | 2281 | 82 | 2559 | 96 | 2753 | 68 | 2342 | 82 | 2707 | 79 | 2529 | 116 | 3066 | 82 | 2585 |
| 38 | 20-26 - | 64 | 1952 | 57 | 2204 | 64 | 2620 | 69 | 2908 | 70 | 2814 | 70 | 2985 | 66 | 2706 | 63 | 2344 | 67 | 2626 | 69 | 2822 | 76 | 2418 | 85 | 2792 | 72 | 2601 | 101 | 3167 | 69 | 2654 |
| 39 | Sept. 27-Oct. 3 | 46 | 1998 | 57 | 2261 | 74 | 2694 | 77 | 2985 | 71 | 2885 | 78 | 3063 | 72 | 2778 | 64 | 2408 | 74 | 2700 | 81 | 2903 | 79 | 2497 | 81 | 2876 | 76 | 2677 | 105 | 3272 | 71 | 2728 |
| 40 | Oct. 4-10 - | 72 | 2070 | 74 | 2335 | 72 | 2766 | 69 | 3054 | 69 | 2954 | 72 | 3135 | 71 | 2849 | 81 | 2489 | 74 | 2774 | 77 | 2980 | 84 | 2581 | 91 | 2970 | 82 | 2759 | 97 | 3369 | 76 | 2804 |
| 41 | 11-17 - | 42 | 2112 | 49 | 2384 | 67 | 2833 | 70 | 3124 | 62 | 3016 | 70 | 3205 | 64 | 2913 | 50 | 2539 | 67 | 2841 | 69 | 3049 | 51 | 2632 | 62 | 3032 | 60 | 2819 | 85 | 3454 | 62 | 2866 |
| 42 | 18-25 - | 39 | 2151 | 41 | 2425 | 44 | 2877 | 64 | 3188 | 48 | 3064 | 69 | 3274 | 53 | 2966 | 42 | 2581 | 45 | 2886 | 60 | 3109 | 57 | 2689 | 59 | 3091 | 53 | 2872 | 93 | 3547 | 53 | 2929 |
| 43 | Oct. 26-31 - | 32 | 2183 | 34 | 2459 | 43 | 2920 | 52 | 3240 | 42 | 3106 | 54 | 3328 | 45 | 3011 | 36 | 2617 | 42 | 2928 | 51 | 3160 | 38 | 2727 | 39 | 3130 | 41 | 2913 | 71 | 3618 | 43 | 2962 |
| 44 | Nov. 1-7 - | 41 | 2224 | 38 | 2497 | 52 | 2972 | 61 | 3301 | 48 | 3154 | 72 | 3400 | 54 | 3065 | 50 | 2667 | 50 | 2978 | 57 | 3217 | 42 | 2769 | 44 | 3174 | 49 | 2962 | 79 | 3697 | 52 | 3014 |
| 45 | 8-14 - | 23 | 2247 | 29 | 2526 | 36 | 3008 | 40 | 3341 | 39 | 3193 | 45 | 3445 | 38 | 3103 | 31 | 2698 | 39 | 3017 | 53 | 3270 | 39 | 2808 | 51 | 3228 | 43 | 3005 | 64 | 3761 | 40 | 3054 |
| 46 | 15-21 - | 2 | 2249 | 0 | 2526 | 6 | 3014 | 7 | 3348 | 4 | 3197 | 7 | 3452 | 5 | 3108 | 5 | 2703 | 4 | 3021 | 8 | 3278 | 10 | 2818 | 12 | 3240 | 8 | 3013 | 26 | 3787 | 7 | 3061 |
| 47 | 22-28 - | 11 | 2260 | 11 | 2537 | 13 | 3027 | 12 | 3360 | 13 | 3210 | 13 | 3465 | 12 | 3120 | 15 | 2718 | 22 | 3043 | 15 | 3293 | 16 | 2834 | 30 | 3270 | 19 | 3032 | 32 | 3819 | 15 | 3076 |
| | Autumn Totals | 614 | | 643 | | 806 | | 899 | | 824 | | 946 | | 824 | | 735 | | 827 | | 918 | | 793 | | 915 | | 838 | | 1173 | | 831 | |
| 48 | Nov. 29-Dec. 5 | 12 | 2272 | 13 | 2550 | 32 | 3059 | 36 | 3396 | 33 | 3243 | 45 | 3510 | 32 | 3152 | 24 | 2742 | 34 | 3077 | 39 | 3332 | 26 | 2860 | 31 | 3301 | 31 | 3063 | 55 | 3874 | 32 | 3108 |
| 49 | Dec. 6-12 - | 1 | 2273 | 2 | 2552 | 9 | 3068 | 25 | 3421 | 11 | 3254 | 30 | 3540 | 15 | 3167 | 8 | 2750 | 11 | 3088 | 28 | 3360 | 11 | 2871 | 27 | 3328 | 7 | 3080 | 38 | 3912 | 16 | 3124 |
| 50 | 13-19 - | 3 | 2276 | 3 | 2555 | 9 | 3077 | 19 | 3440 | 10 | 3264 | 26 | 3566 | 13 | 3180 | 7 | 2757 | 15 | 3103 | 23 | 3383 | 7 | 2878 | 10 | 3338 | 12 | 3092 | 37 | 3949 | 12 | 3136 |
| 51 | 20-26 - | 0 | 2276 | 0 | 2555 | 0 | 3077 | 0 | 3440 | 0 | 3264 | 1 | 3567 | 0 | 3180 | 0 | 2757 | 0 | 3103 | 3 | 3386 | 0 | 2878 | 4 | 3342 | 1 | 3093 | 20 | 3969 | 1 | 3137 |
| 52 | Dec. 27-Jan. 2 | 0 | 2276 | 0 | 2555 | 0 | 3077 | 9 | 3449 | 4 | 3268 | 14 | 3581 | 6 | 3186 | 0 | 2757 | 5 | 3108 | 12 | 3398 | 1 | 2879 | 7 | 3349 | 5 | 3098 | 28 | 3997 | 5 | 3142 |

TABLE IV.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF **ACCUMULATED HEAT** BELOW 42° F. IN EACH DISTRICT DURING THE YEAR 1914.

| 1914. | | 0. Scot-land, N. | | Eastern Districts. | | | | | | | | | | Western Districts. | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1. Scot-land, E. | | 2. England, N.E. | | 3. England, E. | | 4. Midland Counties. | | 5. England, S.E. | | Means for Eastern Districts. | | 6. Scot-land, W. | | 7. England, N.W. and North Wales. | | 8. South Wales and England, S.W. | | 9. Ireland, N. | | 10. Ireland, S. | | Means for Western Districts. | | 11. English Channel. | | Means for Districts 1-10 combined. | |
| No. of Week. | Limiting Dates of each Week. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. |
| | DAY-DEGREES BELOW 42° FAHRENHEIT—1914. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **1914.** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Jan. 4-10 - | 23 | 23 | 27 | 27 | 29 | 29 | 25 | 25 | 26 | 26 | 12 | 12 | 21 | 24 | 22 | 22 | 11 | 11 | 7 | 7 | 10 | 10 | 8 | 8 | 12 | 12 | 0 | 0 | 18 | 18 |
| 2 | 11-17 - | 53 | 76 | 57 | 84 | 39 | 68 | 33 | 58 | 52 | 78 | 49 | 61 | 46 | 70 | 53 | 75 | 44 | 55 | 48 | 55 | 34 | 44 | 27 | 35 | 41 | 53 | 22 | 22 | 44 | 62 |
| 3 | 18-24 - | 43 | 119 | 50 | 134 | 46 | 114 | 60 | 118 | 63 | 141 | 71 | 132 | 58 | 128 | 37 | 112 | 48 | 103 | 56 | 111 | 24 | 68 | 25 | 60 | 38 | 91 | 36 | 58 | 48 | 110 |
| 4 | Jan. 25-31 - | 24 | 143 | 30 | 164 | 10 | 124 | 15 | 133 | 12 | 153 | 13 | 145 | 16 | 144 | 11 | 123 | 4 | 107 | 5 | 116 | 8 | 76 | 2 | 62 | 6 | 97 | 1 | 59 | 11 | 121 |
| 5 | Feb. 1-7 - | 10 | 153 | 8 | 172 | 2 | 126 | 8 | 141 | 4 | 157 | 4 | 149 | 5 | 149 | 1 | 124 | 0 | 107 | 0 | 116 | 1 | 77 | 0 | 62 | 0 | 97 | 0 | 59 | 3 | 124 |
| 6 | 8-14 - | 22 | 175 | 28 | 200 | 7 | 133 | 1 | 142 | 8 | 165 | 0 | 149 | 9 | 158 | 12 | 136 | 4 | 111 | 1 | 117 | 16 | 93 | 11 | 73 | 9 | 106 | 0 | 59 | 9 | 133 |
| 7 | 15-21 - | 31 | 206 | 34 | 234 | 23 | 156 | 16 | 158 | 27 | 192 | 12 | 161 | 22 | 180 | 24 | 160 | 12 | 123 | 11 | 128 | 26 | 119 | 24 | 97 | 20 | 126 | 1 | 60 | 21 | 154 |
| 8 | Feb. 22-28 - | 24 | 230 | 37 | 271 | 17 | 173 | 33 | 191 | 32 | 224 | 20 | 181 | 23 | 208 | 23 | 183 | 14 | 137 | 13 | 141 | 15 | 134 | 11 | 108 | 15 | 141 | 6 | 66 | 21 | 175 |
| | Winter Totals | 338 | | 426 | | 291 | | 303 | | 345 | | 275 | | 327 | | 277 | | 200 | | 214 | | 202 | | 178 | | 216 | | 112 | | 273 | |
| 9 | Mar. 1-7 - | 28 | 258 | 28 | 299 | 9 | 182 | 8 | 199 | 8 | 232 | 4 | 185 | 11 | 219 | 13 | 196 | 5 | 142 | 0 | 141 | 10 | 144 | 2 | 110 | 6 | 147 | 0 | 66 | 9 | 184 |
| 10 | 8-14 - | 34 | 292 | 44 | 343 | 31 | 213 | 16 | 215 | 27 | 259 | 9 | 194 | 25 | 244 | 33 | 229 | 23 | 165 | 8 | 149 | 26 | 170 | 13 | 123 | 20 | 167 | 0 | 66 | 22 | 206 |
| 11 | 15-21 - | 26 | 318 | 32 | 375 | 24 | 237 | 23 | 238 | 27 | 286 | 14 | 208 | 24 | 268 | 24 | 253 | 22 | 187 | 20 | 169 | 28 | 198 | 25 | 148 | 24 | 191 | 4 | 70 | 24 | 230 |
| 12 | 22-28 - | 34 | 352 | 38 | 413 | 28 | 265 | 32 | 270 | 35 | 321 | 20 | 228 | 31 | 299 | 35 | 288 | 26 | 213 | 17 | 186 | 33 | 231 | 18 | 166 | 23 | 217 | 2 | 72 | 23 | 238 |
| 13 | Mar. 29-Apr. 4 | 8 | 360 | 11 | 424 | 1 | 266 | 1 | 271 | 0 | 321 | 0 | 228 | 3 | 302 | 0 | 288 | 0 | 213 | 0 | 186 | 0 | 231 | 0 | 166 | 0 | 217 | 0 | 72 | 2 | 260 |
| 14 | April 5-11 - | 7 | 367 | 13 | 437 | 6 | 272 | 4 | 275 | 6 | 327 | 0 | 228 | 6 | 308 | 5 | 293 | 2 | 215 | 0 | 186 | 5 | 236 | 1 | 167 | 3 | 220 | 0 | 72 | 5 | 265 |
| 15 | 12-18 - | 7 | 374 | 17 | 454 | 14 | 286 | 13 | 288 | 19 | 346 | 8 | 236 | 14 | 322 | 10 | 303 | 8 | 223 | 6 | 192 | 7 | 243 | 6 | 173 | 7 | 227 | 0 | 72 | 10 | 275 |
| 16 | 19-25 - | 2 | 376 | 11 | 465 | 2 | 288 | 0 | 288 | 3 | 349 | 0 | 236 | 3 | 325 | 2 | 305 | 0 | 223 | 0 | 192 | 0 | 243 | 1 | 174 | 1 | 228 | 0 | 72 | 2 | 277 |
| 17 | April 26-May 2 | 4 | 380 | 10 | 475 | 6 | 294 | 8 | 296 | 11 | 360 | 4 | 240 | 8 | 333 | 4 | 309 | 4 | 227 | 0 | 192 | 3 | 246 | 0 | 174 | 2 | 230 | 0 | 72 | 5 | 282 |
| 18 | May 3-9 - | 1 | 381 | 2 | 477 | 0 | 294 | 0 | 296 | 0 | 360 | 0 | 240 | 0 | 333 | 0 | 309 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 230 | 0 | 72 | 0 | 282 |
| 19 | 10-16 - | 4 | 385 | 8 | 485 | 1 | 295 | 0 | 296 | 2 | 362 | 0 | 240 | 2 | 335 | 5 | 314 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 1 | 231 | 0 | 72 | 1 | 283 |
| 20 | 17-23 - | 0 | 385 | 0 | 485 | 0 | 295 | 0 | 296 | 0 | 362 | 0 | 240 | 0 | 335 | 0 | 314 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 283 |
| 21 | 24-30 - | 6 | 391 | 7 | 492 | 4 | 299 | 3 | 299 | 5 | 367 | 0 | 240 | 4 | 339 | 3 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 2 | 285 |
| | Spring Totals | 161 | | 221 | | 126 | | 108 | | 143 | | 59 | | 131 | | 134 | | 90 | | 51 | | 112 | | 66 | | 90 | | 6 | | 110 | |
| 22 | May 31-June 6 | 0 | 391 | 0 | 492 | | 299 | 0 | 299 | 0 | 367 | 0 | 240 | 0 | 339 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 285 |
| 23 | June 7-13 - | 0 | 391 | 0 | 492 | 0 | 299 | 0 | 299 | 0 | 367 | 0 | 240 | 0 | 339 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 285 |
| 24 | 14-20 - | 0 | 391 | 0 | 492 | 0 | 299 | 0 | 299 | 0 | 367 | 0 | 240 | 0 | 339 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 285 |
| 25 | 21-27 - | 0 | 391 | 0 | 492 | 0 | 299 | 0 | 299 | 0 | 367 | 0 | 240 | 0 | 339 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 285 |
| 26 | June 28-July 4 | 0 | 391 | 0 | 492 | 0 | 299 | 0 | 299 | 0 | 367 | 0 | 240 | 0 | 339 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 285 |
| 27 | July 5-11 - | 0 | 391 | 0 | 492 | 0 | 299 | 0 | 299 | 0 | 367 | 0 | 240 | 0 | 339 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 285 |
| 28 | 12-18 - | 0 | 391 | 0 | 492 | 0 | 299 | 0 | 299 | 0 | 367 | 0 | 240 | 0 | 339 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 285 |
| 29 | 19-25 - | 0 | 391 | 0 | 492 | 0 | 299 | 0 | 299 | 0 | 367 | 0 | 240 | 0 | 339 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 285 |
| 30 | July 26-Aug. 1 | 0 | 391 | 0 | 492 | 0 | 299 | 0 | 299 | 0 | 367 | 0 | 240 | 0 | 339 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 285 |
| 31 | Aug. 2-8 - | 0 | 391 | 0 | 492 | 0 | 299 | 0 | 299 | 0 | 367 | 0 | 240 | 0 | 339 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 285 |
| 32 | 9-15 - | 0 | 391 | 0 | 492 | 0 | 299 | 0 | 299 | 0 | 367 | 0 | 240 | 0 | 339 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 285 |
| 33 | 16-22 - | 0 | 391 | 0 | 492 | 0 | 299 | 0 | 299 | 0 | 367 | 0 | 240 | 0 | 339 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 285 |
| 34 | 23-29 - | 0 | 391 | 0 | 492 | 0 | 299 | 0 | 299 | 0 | 367 | 0 | 240 | 0 | 339 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 285 |
| | Summer Totals | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| 35 | Aug. 30-Sept. 5 | 0 | 391 | 0 | 492 | 0 | 299 | 0 | 299 | 0 | 367 | 0 | 240 | 0 | 339 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 285 |
| 36 | Sept. 6-12 - | 0 | 391 | 0 | 492 | 0 | 299 | 0 | 299 | 0 | 367 | 0 | 240 | 0 | 339 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 285 |
| 37 | 13-19 | 0 | 391 | 0 | 492 | 0 | 299 | 0 | 299 | 0 | 367 | 0 | 240 | 0 | 339 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 285 |
| 38 | 20-26 - | 0 | 391 | 0 | 492 | 0 | 299 | 0 | 299 | 11 | 378 | 1 | 241 | 3 | 342 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 2 | 287 |
| 39 | Sept. 27-Oct. 3 | 0 | 391 | 0 | 492 | 0 | 299 | 0 | 299 | 0 | 378 | 0 | 241 | 0 | 342 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 287 |
| 40 | Oct. 4-10 - | 0 | 391 | 0 | 492 | 0 | 299 | 0 | 299 | 0 | 378 | 0 | 241 | 0 | 342 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 0 | 287 |
| 41 | 11-17 - | 1 | 392 | 8 | 500 | 0 | 299 | 0 | 299 | 0 | 378 | 0 | 241 | 1 | 343 | 0 | 317 | 0 | 227 | 0 | 192 | 0 | 246 | 0 | 174 | 0 | 231 | 0 | 72 | 1 | 288 |
| 42 | 18-25 - | 0 | 392 | 9 | 509 | 0 | 299 | 0 | 299 | 0 | 378 | 0 | 241 | 2 | 345 | 3 | 320 | 1 | 228 | 0 | 192 | 0 | 246 | 0 | 174 | 1 | 232 | 0 | 72 | 1 | 289 |
| 43 | Oct. 26-31 - | 1 | 393 | 10 | 519 | 0 | 299 | 0 | 299 | 0 | 378 | 0 | 241 | 2 | 347 | 1 | 321 | 0 | 228 | 0 | 192 | 5 | 251 | 3 | 177 | 2 | 234 | 0 | 72 | 2 | 291 |
| 44 | Nov. 1-7 - | 0 | 393 | 0 | 519 | 0 | 299 | 0 | 299 | 0 | 378 | 0 | 241 | 0 | 347 | 0 | 321 | 0 | 228 | 0 | 192 | 0 | 251 | 2 | 179 | 0 | 234 | 0 | 72 | 0 | 291 |
| 45 | 8-14 - | 9 | 402 | 10 | 529 | 3 | 302 | 3 | 302 | 2 | 380 | 0 | 241 | 4 | 351 | 1 | 322 | 0 | 228 | 0 | 192 | 0 | 251 | 0 | 179 | 0 | 234 | 0 | 72 | 2 | 293 |
| 46 | 15-21 - | 34 | 436 | 43 | 572 | 34 | 336 | 33 | 335 | 43 | 423 | 35 | 276 | 38 | 389 | 40 | 362 | 37 | 265 | 33 | 225 | 33 | 284 | 30 | 209 | 35 | 269 | 3 | 75 | 37 | 330 |
| 47 | 22-28 - | 26 | 462 | 33 | 605 | 25 | 361 | 23 | 358 | 29 | 452 | 22 | 298 | 26 | 415 | 25 | 387 | 12 | 277 | 24 | 249 | 25 | 309 | 17 | 226 | 21 | 290 | 0 | 75 | 23 | 353 |
| | Autumn Totals | 71 | | 113 | | 62 | | 59 | | 85 | | 58 | | 76 | | 70 | | 50 | | 57 | | 63 | | 52 | | 59 | | 3 | | 68 | |
| 48 | Nov. 29-Dec. 5 | 25 | 487 | 26 | 631 | 3 | 364 | 0 | 358 | 1 | 453 | 0 | 298 | 6 | 421 | 7 | 394 | 1 | 278 | 0 | 249 | 10 | 319 | 6 | 232 | 5 | 295 | 0 | 75 | 5 | 358 |
| 49 | 6-12 - | 24 | 511 | 30 | 661 | 24 | 388 | 12 | 370 | 27 | 480 | 9 | 307 | 20 | 441 | 21 | 415 | 12 | 290 | 10 | 259 | 21 | 340 | 15 | 247 | 16 | 311 | 0 | 75 | 18 | 376 |
| 50 | 13-19 - | 27 | 538 | 30 | 691 | 17 | 405 | 10 | 380 | 21 | 501 | 7 | 314 | 17 | 458 | 21 | 436 | 9 | 299 | 8 | 267 | 19 | 359 | 20 | 267 | 15 | 326 | 0 | 75 | 16 | 392 |
| 51 | 20-26 - | 58 | 596 | 79 | 770 | 47 | 452 | 41 | 421 | 50 | 551 | 37 | 351 | 51 | 509 | 45 | 481 | 42 | 341 | 37 | 304 | 46 | 405 | 47 | 314 | 43 | 369 | 12 | 87 | 47 | 439 |
| 52 | Dec. 27-Jan. 2 | 33 | 629 | 47 | 817 | 33 | 485 | 31 | 452 | 35 | 586 | 15 | 366 | 32 | 541 | 29 | 510 | 28 | 369 | 22 | 326 | 33 | 438 | 30 | 344 | 28 | 397 | 1 | 88 | 30 | 469 |

# TABLE V.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF HOURS OF BRIGHT SUNSHINE IN EACH DISTRICT REGISTERED DURING THE YEAR 1914.

| 1914. | | 0. Scotland, N. | | Eastern Districts. 1. Scotland, E. | | 2. England, N.E. | | 3. England, E. | | 4. Midland Counties. | | 5. England, S.E. | | Means for Eastern Districts. | | Western Districts. 6. Scotland, W. | | 7. England, N.W. and North Wales. | | 8. South Wales and England, S.W. | | 9. Ireland, N. | | 10. Ireland, S. | | Means for Western Districts. | | 11. English Channel. | | Means for Districts 1-10 combined. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Weeks. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. of Week. | Limiting Dates of each Week. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. |
| | **Numbers of Hours of Bright Sunshine—1914.** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **1914.** | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. | Hrs. |
| 1 | Jan. 4-10 - | 2 | 2 | 5 | 5 | 9 | 9 | 10 | 10 | 9 | 9 | 11 | 11 | 9 | 9 | 7 | 7 | 6 | 6 | 8 | 8 | 6 | 6 | 10 | 10 | 7 | 7 | 12 | 12 | 8 | 8 |
| 2 | 11-17 - | 9 | 11 | 6 | 11 | 2 | 11 | 7 | 17 | 4 | 13 | 10 | 21 | 6 | 15 | 6 | 13 | 6 | 12 | 9 | 17 | 6 | 12 | 10 | 20 | 8 | 15 | 15 | 27 | 7 | 15 |
| 3 | 18-24 - | 8 | 19 | 6 | 17 | 6 | 17 | 7 | 24 | 7 | 20 | 9 | 30 | 7 | 22 | 0 | 13 | 9 | 21 | 9 | 26 | 4 | 16 | 6 | 26 | 6 | 21 | 16 | 43 | 7 | 22 |
| 4 | Jan. 25-31 - | 4 | 23 | 11 | 28 | 12 | 29 | 8 | 32 | 7 | 27 | 6 | 36 | 9 | 31 | 4 | 17 | 7 | 28 | 4 | 30 | 4 | 20 | 7 | 33 | 5 | 26 | 8 | 51 | 7 | 29 |
| 5 | Feb. 1-7 - | 6 | 29 | 7 | 35 | 17 | 46 | 27 | 59 | 16 | 43 | 37 | 73 | 21 | 52 | 0 | 17 | 9 | 37 | 18 | 48 | 5 | 25 | 9 | 42 | 8 | 34 | 30 | 81 | 15 | 44 |
| 6 | 8-14 - | 15 | 44 | 20 | 55 | 19 | 65 | 19 | 78 | 15 | 58 | 13 | 86 | 17 | 69 | 12 | 29 | 16 | 53 | 10 | 58 | 11 | 36 | 12 | 54 | 12 | 46 | 9 | 90 | 14 | 58 |
| 7 | 15-21 - | 14 | 58 | 22 | 77 | 20 | 85 | 14 | 92 | 12 | 70 | 10 | 96 | 16 | 85 | 13 | 42 | 15 | 68 | 15 | 73 | 17 | 53 | 21 | 75 | 16 | 62 | 14 | 104 | 16 | 74 |
| 8 | Feb. 22-28 - | 11 | 69 | 17 | 94 | 18 | 103 | 29 | 121 | 17 | 87 | 32 | 128 | 22 | 107 | 12 | 54 | 22 | 90 | 21 | 94 | 12 | 65 | 20 | 95 | 18 | 80 | 35 | 139 | 20 | 94 |
| | Winter Totals | 84 | | 139 | | 149 | | 174 | | 126 | | 181 | | 154 | | 93 | | 123 | | 143 | | 98 | | 133 | | 119 | | 188 | | 137 | |
| 9 | Mar. 1-7 - | 18 | 87 | 25 | 119 | 25 | 128 | 21 | 142 | 19 | 106 | 21 | 149 | 22 | 129 | 19 | 73 | 13 | 103 | 18 | 112 | 14 | 79 | 16 | 111 | 16 | 96 | 18 | 157 | 19 | 113 |
| 10 | 8-14 - | 29 | 116 | 25 | 144 | 23 | 151 | 19 | 161 | 21 | 127 | 21 | 170 | 22 | 151 | 28 | 101 | 26 | 129 | 15 | 127 | 20 | 99 | 27 | 138 | 23 | 119 | 17 | 174 | 23 | 136 |
| 11 | 15-21 - | 18 | 134 | 19 | 163 | 14 | 165 | 17 | 178 | 16 | 143 | 21 | 191 | 17 | 168 | 23 | 124 | 21 | 153 | 31 | 158 | 26 | 125 | 28 | 166 | 27 | 146 | 32 | 206 | 22 | 158 |
| 12 | 22-28 - | 31 | 165 | 27 | 190 | 31 | 196 | 38 | 216 | 20 | 163 | 28 | 219 | 29 | 197 | 29 | 153 | 28 | 181 | 29 | 187 | 28 | 153 | 27 | 193 | 28 | 174 | 27 | 233 | 28 | 186 |
| 13 | Mar. 29-Apr. 4 | 22 | 187 | 31 | 221 | 29 | 225 | 25 | 241 | 23 | 186 | 27 | 246 | 27 | 224 | 27 | 180 | 29 | 210 | 28 | 215 | 37 | 190 | 35 | 228 | 31 | 205 | 34 | 267 | 29 | 215 |
| 14 | April 5-11 - | 17 | 204 | 31 | 252 | 38 | 263 | 38 | 279 | 35 | 221 | 38 | 284 | 36 | 260 | 35 | 215 | 32 | 242 | 33 | 248 | 40 | 230 | 46 | 274 | 37 | 242 | 37 | 304 | 37 | 252 |
| 15 | 12-18 - | 53 | 257 | 57 | 309 | 71 | 334 | 75 | 354 | 75 | 296 | 72 | 356 | 70 | 330 | 59 | 274 | 68 | 310 | 72 | 320 | 58 | 288 | 58 | 332 | 63 | 305 | 67 | 371 | 66 | 318 |
| 16 | 19-25 - | 44 | 301 | 62 | 371 | 60 | 394 | 56 | 409 | 59 | 355 | 60 | 416 | 59 | 389 | 54 | 328 | 59 | 369 | 65 | 385 | 52 | 340 | 57 | 389 | 57 | 362 | 64 | 435 | 58 | 376 |
| 17 | April 26-May 2 | 30 | 331 | 50 | 421 | 53 | 447 | 56 | 465 | 49 | 404 | 62 | 478 | 54 | 443 | 45 | 373 | 51 | 420 | 63 | 448 | 36 | 376 | 60 | 449 | 51 | 413 | 63 | 498 | 52 | 428 |
| 18 | May 3-9 - | 9 | 340 | 17 | 438 | 22 | 469 | 29 | 494 | 23 | 427 | 31 | 509 | 24 | 467 | 12 | 385 | 14 | 434 | 24 | 472 | 20 | 396 | 24 | 473 | 19 | 432 | 32 | 530 | 22 | 450 |
| 19 | 10-16 - | 27 | 367 | 38 | 476 | 39 | 508 | 35 | 529 | 35 | 462 | 41 | 550 | 38 | 505 | 35 | 420 | 38 | 472 | 46 | 518 | 45 | 441 | 50 | 523 | 43 | 475 | 52 | 582 | 40 | 490 |
| 20 | 17-23 - | 31 | 398 | 32 | 508 | 45 | 553 | 73 | 602 | 57 | 519 | 80 | 630 | 57 | 562 | 34 | 454 | 39 | 511 | 71 | 589 | 34 | 475 | 36 | 559 | 43 | 518 | 78 | 660 | 50 | 540 |
| 21 | 24-30 - | 40 | 438 | 42 | 550 | 41 | 594 | 67 | 659 | 34 | 553 | 46 | 676 | 41 | 606 | 49 | 503 | 44 | 555 | 42 | 631 | 34 | 509 | 29 | 588 | 39 | 557 | 53 | 713 | 42 | 582 |
| | Spring Totals | 369 | | 456 | | 491 | | 538 | | 466 | | 548 | | 499 | | 449 | | 465 | | 537 | | 444 | | 493 | | 477 | | 574 | | 488 | |
| 22 | May 31-June 6 | 33 | 471 | 39 | 589 | 33 | 627 | 40 | 699 | 30 | 583 | 44 | 720 | 37 | 643 | 41 | 544 | 33 | 588 | 39 | 670 | 19 | 528 | 26 | 614 | 32 | 589 | 55 | 768 | 35 | 617 |
| 23 | June 7-13 - | 48 | 519 | 40 | 629 | 45 | 672 | 48 | 747 | 42 | 625 | 55 | 775 | 46 | 689 | 48 | 592 | 41 | 629 | 38 | 708 | 52 | 580 | 43 | 657 | 44 | 633 | 36 | 804 | 45 | 662 |
| 24 | 14-20 - | 40 | 559 | 58 | 687 | 69 | 741 | 65 | 812 | 68 | 693 | 62 | 837 | 65 | 754 | 66 | 658 | 75 | 704 | 60 | 768 | 48 | 628 | 60 | 717 | 62 | 695 | 43 | 847 | 63 | 725 |
| 25 | 21-27 - | 37 | 596 | 57 | 744 | 55 | 796 | 62 | 874 | 61 | 754 | 71 | 908 | 61 | 815 | 46 | 704 | 51 | 755 | 54 | 822 | 38 | 666 | 58 | 773 | 49 | 744 | 55 | 902 | 55 | 780 |
| 26 | June 28-July 4 | 29 | 625 | 43 | 787 | 53 | 849 | 61 | 935 | 57 | 811 | 68 | 976 | 57 | 872 | 32 | 736 | 49 | 804 | 53 | 875 | 21 | 687 | 39 | 812 | 39 | 783 | 60 | 962 | 48 | 828 |
| 27 | July 5-11 - | 36 | 661 | 42 | 829 | 49 | 898 | 55 | 990 | 48 | 859 | 60 | 1036 | 51 | 923 | 37 | 773 | 48 | 852 | 48 | 923 | 44 | 731 | 31 | 843 | 42 | 825 | 51 | 1013 | 47 | 875 |
| 28 | 12-18 - | 22 | 683 | 26 | 855 | 24 | 922 | 44 | 1034 | 27 | 886 | 47 | 1083 | 33 | 956 | 28 | 801 | 25 | 877 | 31 | 954 | 28 | 759 | 30 | 873 | 28 | 853 | 38 | 1051 | 30 | 905 |
| 29 | 19-25 - | 52 | 716 | 38 | 893 | 33 | 953 | 33 | 1065 | 26 | 912 | 27 | 1110 | 31 | 987 | 39 | 838 | 31 | 911 | 30 | 982 | 31 | 790 | 31 | 903 | 32 | 885 | 46 | 1095 | 32 | 937 |
| 30 | July 26-Aug. 1 | 17 | 733 | 20 | 913 | 24 | 977 | 24 | 1089 | 22 | 934 | 36 | 1146 | 25 | 1012 | 30 | 868 | 32 | 943 | 33 | 1015 | 19 | 809 | 28 | 931 | 28 | 913 | 38 | 1133 | 26 | 963 |
| 31 | Aug. 2 8 - | 21 | 754 | 23 | 936 | 30 | 1007 | 35 | 1124 | 24 | 958 | 39 | 1185 | 30 | 1042 | 24 | 892 | 38 | 981 | 42 | 1057 | 27 | 836 | 35 | 966 | 33 | 946 | 39 | 1172 | 32 | 995 |
| 32 | 9-15 - | 44 | 798 | 56 | 992 | 65 | 1072 | 63 | 1187 | 58 | 1016 | 61 | 1246 | 61 | 1103 | 62 | 954 | 66 | 1047 | 55 | 1112 | 55 | 891 | 50 | 1016 | 58 | 1004 | 60 | 1232 | 59 | 1054 |
| 33 | 16-22 - | 36 | 834 | 40 | 1032 | 51 | 1123 | 50 | 1237 | 47 | 1063 | 52 | 1298 | 48 | 1151 | 44 | 998 | 54 | 1101 | 53 | 1165 | 47 | 938 | 43 | 1059 | 48 | 1052 | 56 | 1288 | 48 | 1102 |
| 34 | 23-29 - | 34 | 868 | 34 | 1066 | 38 | 1161 | 36 | 1273 | 43 | 1106 | 47 | 1345 | 39 | 1190 | 38 | 1036 | 43 | 1144 | 45 | 1210 | 34 | 972 | 28 | 1087 | 38 | 1090 | 32 | 1350 | 38 | 1140 |
| | Summer Totals | 429 | | 516 | | 569 | | 616 | | 553 | | 669 | | 584 | | 535 | | 586 | | 581 | | 463 | | 500 | | 533 | | 639 | | 558 | |
| 35 | Aug. 30-Sept. 5 | 30 | 898 | 23 | 1089 | 37 | 1198 | 52 | 1325 | 38 | 1144 | 64 | 1409 | 43 | 1233 | 40 | 1076 | 43 | 1187 | 50 | 1260 | 26 | 998 | 27 | 1114 | 37 | 1127 | 46 | 1398 | 40 | 1180 |
| 36 | Sept. 6-12 - | 39 | 937 | 39 | 1128 | 37 | 1235 | 41 | 1366 | 34 | 1178 | 44 | 1453 | 39 | 1272 | 32 | 1108 | 34 | 1221 | 31 | 1291 | 20 | 1018 | 17 | 1131 | 27 | 1154 | 32 | 1430 | 33 | 1213 |
| 37 | 13-19 - | 18 | 955 | 30 | 1158 | 39 | 1274 | 39 | 1405 | 39 | 1217 | 38 | 1491 | 37 | 1309 | 29 | 1137 | 28 | 1249 | 29 | 1320 | 29 | 1047 | 32 | 1163 | 29 | 1183 | 28 | 1458 | 33 | 1246 |
| 38 | 20-26 - | 14 | 969 | 23 | 1181 | 48 | 1322 | 49 | 1454 | 53 | 1270 | 59 | 1550 | 46 | 1355 | 33 | 1170 | 50 | 1299 | 63 | 1383 | 40 | 1087 | 42 | 1205 | 46 | 1229 | 66 | 1524 | 46 | 1292 |
| 39 | Sept. 27-Oct. 3 | 22 | 991 | 38 | 1219 | 43 | 1365 | 40 | 1494 | 41 | 1311 | 45 | 1595 | 42 | 1397 | 29 | 1199 | 36 | 1335 | 38 | 1421 | 25 | 1112 | 29 | 1234 | 31 | 1260 | 40 | 1563 | 37 | 1329 |
| 40 | Oct. 4-10 - | 8 | 999 | 15 | 1234 | 17 | 1382 | 19 | 1513 | 18 | 1329 | 31 | 1626 | 20 | 1417 | 18 | 1217 | 19 | 1354 | 30 | 1451 | 11 | 1123 | 21 | 1255 | 20 | 1280 | 46 | 1609 | 20 | 1349 |
| 41 | 11-17 - | 21 | 1020 | 17 | 1251 | 11 | 1393 | 13 | 1526 | 8 | 1337 | 11 | 1637 | 12 | 1429 | 8 | 1225 | 9 | 1363 | 19 | 1470 | 20 | 1143 | 24 | 1279 | 16 | 1296 | 29 | 1638 | 14 | 1363 |
| 42 | 18-25 - | 18 | 1038 | 15 | 1266 | 13 | 1406 | 9 | 1535 | 10 | 1347 | 14 | 1651 | 12 | 1441 | 17 | 1242 | 24 | 1387 | 23 | 1493 | 17 | 1160 | 25 | 1304 | 21 | 1317 | 25 | 1663 | 17 | 1380 |
| 43 | Oct. 26-31 - | 16 | 1054 | 15 | 1281 | 21 | 1427 | 22 | 1557 | 22 | 1369 | 22 | 1673 | 20 | 1461 | 20 | 1262 | 18 | 1405 | 18 | 1511 | 23 | 1183 | 25 | 1329 | 21 | 1338 | 16 | 1679 | 20 | 1400 |
| 44 | Nov. 1-7 - | 6 | 1060 | 5 | 1286 | 7 | 1434 | 19 | 1576 | 11 | 1380 | 23 | 1696 | 13 | 1474 | 9 | 1271 | 15 | 1420 | 20 | 1531 | 14 | 1197 | 21 | 1350 | 16 | 1354 | 26 | 1705 | 15 | 1415 |
| 45 | 8-14 - | 7 | 1067 | 23 | 1309 | 20 | 1454 | 13 | 1589 | 15 | 1395 | 16 | 1712 | 18 | 1492 | 20 | 1291 | 15 | 1435 | 10 | 1541 | 15 | 1212 | 14 | 1364 | 15 | 1369 | 14 | 1719 | 16 | 1431 |
| 46 | 15-21 - | 8 | 1075 | 9 | 1318 | 15 | 1469 | 21 | 1610 | 19 | 1414 | 26 | 1738 | 18 | 1510 | 14 | 1305 | 24 | 1459 | 26 | 1567 | 19 | 1231 | 22 | 1386 | 21 | 1390 | 25 | 1744 | 20 | 1451 |
| 47 | 22-28 - | 6 | 1081 | 13 | 1331 | 6 | 1475 | 14 | 1624 | 5 | 1419 | 13 | 1751 | 10 | 1520 | 5 | 1310 | 4 | 1463 | 6 | 1573 | 10 | 1241 | 10 | 1396 | 7 | 1397 | 7 | 1751 | 8 | 1459 |
| | Autumn Totals | 213 | | 265 | | 314 | | 351 | | 313 | | 406 | | 330 | | 274 | | 319 | | 363 | | 239 | | 309 | | 307 | | 401 | | 319 | |
| 48 | Nov. 29-Dec. 5 | 0 | 1081 | 4 | 1335 | 10 | 1485 | 14 | 1638 | 11 | 1430 | 13 | 1764 | 10 | 1530 | 3 | 1313 | 4 | 1467 | 11 | 1584 | 5 | 1246 | 10 | 1406 | 6 | 1403 | 10 | 1761 | 8 | 1467 |
| 49 | Dec. 6-12 - | 2 | 1083 | 7 | 1342 | 6 | 1491 | 5 | 1643 | 5 | 1435 | 4 | 1768 | 6 | 1536 | 5 | 1318 | 4 | 1471 | 7 | 1591 | 10 | 1256 | 15 | 1421 | 8 | 1411 | 8 | 1769 | 7 | 1474 |
| 50 | 13-19 - | 5 | 1088 | 9 | 1351 | 9 | 1500 | 6 | 1649 | 9 | 1444 | 8 | 1776 | 8 | 1544 | 4 | 1322 | 7 | 1478 | 10 | 1601 | 4 | 1260 | 9 | 1430 | 7 | 1418 | 10 | 1779 | 8 | 1482 |
| 51 | 20-26 - | 8 | 1096 | 11 | 1362 | 12 | 1512 | 10 | 1659 | 10 | 1454 | 11 | 1787 | 11 | 1555 | 13 | 1335 | 16 | 1494 | 22 | 1623 | 8 | 1268 | 15 | 1445 | 15 | 1433 | 14 | 1793 | 13 | 1495 |
| 52 | Dec. 27-Jan. 2 | 4 | 1100 | 10 | 1372 | 9 | 1521 | 4 | 1663 | 11 | 1465 | 8 | 1795 | 8 | 1563 | 10 | 1345 | 9 | 1503 | 10 | 1633 | 14 | 1282 | 14 | 1459 | 11 | 1444 | 11 | 1804 | 9 | 1504 |

TABLE VI.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF **BRIGHT SUNSHINE** IN EACH DISTRICT EXPRESSED AS **PERCENTAGES** OF THE **POSSIBLE DURATION** FOR THE YEAR 1914.

| 1914. | | 0. Scotland, N. | | Eastern Districts. 1. Scotland, E. | | 2. England, N.E. | | 3. England E. | | 4. Midland Counties. | | 5. England, S.E. | | Means for Eastern Districts. | | Western Districts. 6. Scotland, W. | | 7. England, N.W. and North Wales. | | 8. South Wales and England, S.W. | | 9. Ireland, N. | | 10. Ireland, S. | | Means for Western Districts. | | 11. English Channel. | | Means for Districts 1-10 combined. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Weeks. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. of Week. | Limiting Dates of each week. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. | For the Week. | From Jan. 4, 1914. |
| | **PERCENTAGES OF POSSIBLE DURATION OF BRIGHT SUNSHINE—1914.** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **1914.** | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % |
| 1 | Jan. 4-10 - | 5 | 5 | 10 | 10 | 17 | 17 | 18 | 18 | 17 | 17 | 20 | 20 | 17 | 17 | 13 | 13 | 12 | 12 | 15 | 15 | 11 | 11 | 18 | 18 | 13 | 13 | 21 | 21 | 15 | 15 |
| 2 | 11-17 - | 20 | 13 | 12 | 11 | 5 | 11 | 12 | 15 | 8 | 12 | 18 | 19 | 11 | 14 | 12 | 13 | 12 | 12 | 16 | 16 | 11 | 11 | 19 | 18 | 15 | 14 | 25 | 23 | 13 | 14 |
| 3 | 18-24 - | 17 | 14 | 12 | 11 | 10 | 11 | 12 | 14 | 13 | 13 | 15 | 18 | 13 | 14 | 0 | 8 | 16 | 13 | 16 | 16 | 8 | 10 | 11 | 16 | 11 | 13 | 27 | 25 | 12 | 14 |
| 4 | Jan. 25-31 - | 8 | 12 | 20 | 13 | 21 | 13 | 13 | 14 | 13 | 13 | 10 | 16 | 16 | 14 | 6 | 8 | 13 | 13 | 7 | 14 | 7 | 9 | 12 | 15 | 9 | 12 | 13 | 21 | 12 | 13 |
| 5 | Feb. 1-7 - | 11 | 12 | 12 | 13 | 27 | 16 | 44 | 20 | 26 | 16 | 59 | 25 | 35 | 19 | 1 | 6 | 15 | 14 | 28 | 17 | 9 | 9 | 14 | 15 | 13 | 12 | 47 | 27 | 24 | 16 |
| 6 | 8-14 - | 26 | 15 | 33 | 17 | 30 | 19 | 29 | 22 | 23 | 17 | 20 | 24 | 27 | 20 | 19 | 9 | 25 | 16 | 16 | 17 | 17 | 11 | 18 | 15 | 19 | 14 | 14 | 25 | 23 | 17 |
| 7 | 15-21 - | 22 | 16 | 35 | 20 | 30 | 21 | 21 | 22 | 18 | 17 | 15 | 23 | 24 | 21 | 20 | 11 | 23 | 17 | 21 | 17 | 26 | 13 | 31 | 18 | 24 | 15 | 20 | 24 | 21 | 18 |
| 8 | Feb. 22-28 - | 16 | 16 | 25 | 21 | 26 | 22 | 41 | 25 | 25 | 18 | 45 | 26 | 31 | 23 | 17 | 12 | 31 | 19 | 29 | 19 | 18 | 14 | 29 | 20 | 26 | 17 | 48 | 27 | 29 | 20 |
| | Winter Percentages. | 12 | | 20 | | 20 | | 22 | | 16 | | 23 | | 20 | | 12 | | 16 | | 18 | | 13 | | 17 | | 15 | | 23 | | 18 | |
| 9 | Mar. 1-7 - | 28 | 17 | 35 | 23 | 34 | 23 | 29 | 25 | 25 | 19 | 28 | 26 | 30 | 23 | 26 | 14 | 18 | 19 | 24 | 20 | 19 | 14 | 22 | 20 | 22 | 17 | 24 | 27 | 26 | 21 |
| 10 | 8-14 - | 38 | 20 | 32 | 24 | 30 | 24 | 25 | 25 | 27 | 20 | 27 | 26 | 29 | 24 | 33 | 16 | 34 | 21 | 20 | 20 | 26 | 16 | 35 | 22 | 30 | 19 | 22 | 26 | 30 | 22 |
| 11 | 15-21 - | 22 | 20 | 24 | 24 | 17 | 23 | 21 | 25 | 20 | 20 | 26 | 26 | 21 | 24 | 28 | 18 | 29 | 22 | 38 | 22 | 32 | 18 | 35 | 23 | 33 | 21 | 39 | 28 | 27 | 22 |
| 12 | 22-28 - | 37 | 22 | 32 | 25 | 37 | 25 | 45 | 27 | 24 | 20 | 33 | 27 | 35 | 25 | 35 | 20 | 33 | 23 | 34 | 23 | 33 | 19 | 32 | 24 | 33 | 22 | 32 | 28 | 34 | 23 |
| 13 | Mar. 29-Apr. 4 | 25 | 23 | 38 | 26 | 33 | 26 | 28 | 27 | 26 | 21 | 31 | 27 | 31 | 25 | 31 | 21 | 33 | 24 | 32 | 24 | 42 | 22 | 39 | 26 | 35 | 23 | 39 | 29 | 33 | 24 |
| 14 | April 5-11 - | 18 | 22 | 33 | 27 | 41 | 27 | 42 | 28 | 38 | 23 | 42 | 29 | 40 | 27 | 39 | 23 | 35 | 25 | 36 | 25 | 44 | 24 | 50 | 28 | 41 | 25 | 41 | 30 | 41 | 26 |
| 15 | 12-18 - | 56 | 25 | 60 | 30 | 74 | 31 | 80 | 33 | 80 | 28 | 77 | 33 | 74 | 31 | 62 | 26 | 73 | 29 | 77 | 30 | 61 | 27 | 62 | 31 | 67 | 29 | 72 | 34 | 70 | 30 |
| 16 | 19-25 - | 43 | 27 | 62 | 33 | 61 | 34 | 56 | 35 | 61 | 30 | 61 | 35 | 60 | 34 | 55 | 29 | 60 | 32 | 67 | 33 | 53 | 29 | 58 | 33 | 58 | 31 | 66 | 36 | 59 | 32 |
| 17 | April 26-May 2 | 29 | 27 | 48 | 34 | 52 | 35 | 56 | 37 | 49 | 32 | 61 | 37 | 53 | 35 | 44 | 30 | 51 | 34 | 62 | 35 | 35 | 30 | 59 | 35 | 51 | 33 | 64 | 39 | 52 | 34 |
| 18 | May 3-9 - | 8 | 25 | 15 | 32 | 21 | 34 | 28 | 36 | 22 | 31 | 30 | 37 | 23 | 34 | 11 | 28 | 14 | 32 | 23 | 34 | 19 | 29 | 23 | 34 | 18 | 32 | 32 | 38 | 21 | 33 |
| 19 | 10-16 - | 24 | 26 | 35 | 33 | 37 | 34 | 34 | 36 | 33 | 31 | 40 | 37 | 36 | 34 | 32 | 29 | 35 | 32 | 44 | 35 | 42 | 30 | 47 | 35 | 40 | 32 | 50 | 39 | 37 | 33 |
| 20 | 17-23 - | 27 | 25 | 29 | 32 | 40 | 35 | 68 | 38 | 52 | 33 | 75 | 39 | 52 | 36 | 30 | 29 | 35 | 32 | 66 | 37 | 31 | 30 | 33 | 35 | 39 | 33 | 74 | 41 | 45 | 34 |
| 21 | 24-30 - | 34 | 26 | 36 | 33 | 36 | 35 | 51 | 39 | 30 | 33 | 42 | 40 | 39 | 36 | 43 | 30 | 39 | 33 | 38 | 37 | 30 | 30 | 26 | 35 | 35 | 33 | 49 | 42 | 37 | 34 |
| | Spring Percentages. | 30 | | 37 | | 40 | | 44 | | 38 | | 45 | | 41 | | 37 | | 33 | | 44 | | 36 | | 40 | | 39 | | 48 | | 40 | |
| 22 | May 31-Jun. 6 | 28 | 26 | 32 | 33 | 29 | 35 | 35 | 39 | 26 | 32 | 39 | 40 | 33 | 36 | 35 | 30 | 29 | 33 | 35 | 38 | 16 | 29 | 23 | 34 | 28 | 33 | 50 | 42 | 31 | 34 |
| 23 | June 7-13 - | 39 | 27 | 33 | 33 | 40 | 35 | 42 | 39 | 37 | 32 | 49 | 40 | 40 | 36 | 40 | 31 | 35 | 33 | 34 | 37 | 45 | 30 | 38 | 34 | 38 | 33 | 33 | 42 | 39 | 34 |
| 24 | 14-20 - | 32 | 27 | 48 | 34 | 59 | 36 | 57 | 40 | 59 | 34 | 54 | 41 | 56 | 37 | 56 | 32 | 64 | 34 | 52 | 38 | 40 | 31 | 52 | 35 | 53 | 34 | 39 | 41 | 54 | 35 |
| 25 | 21-27 - | 29 | 27 | 47 | 34 | 46 | 37 | 53 | 40 | 53 | 35 | 62 | 42 | 52 | 38 | 38 | 32 | 43 | 35 | 47 | 38 | 32 | 31 | 48 | 36 | 42 | 34 | 49 | 42 | 47 | 36 |
| 26 | June 28-July 4 | 23 | 27 | 36 | 34 | 45 | 37 | 53 | 41 | 49 | 36 | 60 | 43 | 48 | 38 | 26 | 32 | 41 | 35 | 46 | 38 | 18 | 30 | 34 | 36 | 35 | 34 | 54 | 42 | 41 | 36 |
| 27 | July 5-11 - | 29 | 27 | 35 | 34 | 42 | 37 | 48 | 41 | 42 | 36 | 53 | 43 | 44 | 38 | 31 | 32 | 41 | 36 | 42 | 39 | 38 | 30 | 27 | 35 | 36 | 34 | 45 | 43 | 40 | 36 |
| 28 | 12-18 - | 18 | 27 | 21 | 34 | 21 | 37 | 30 | 41 | 23 | 35 | 42 | 43 | 29 | 38 | 23 | 32 | 22 | 35 | 28 | 38 | 24 | 30 | 26 | 35 | 28 | 34 | 34 | 42 | 28 | 36 |
| 29 | 19-25 - | 27 | 27 | 32 | 34 | 29 | 36 | 29 | 41 | 23 | 35 | 24 | 43 | 27 | 38 | 33 | 32 | 38 | 35 | 27 | 38 | 27 | 30 | 28 | 35 | 28 | 34 | 43 | 42 | 28 | 36 |
| 30 | July 26-Aug. 1 | 15 | 26 | 17 | 33 | 22 | 36 | 21 | 40 | 20 | 34 | 33 | 42 | 23 | 37 | 26 | 31 | 29 | 34 | 30 | 37 | 17 | 30 | 26 | 34 | 25 | 33 | 35 | 42 | 24 | 35 |
| 31 | Aug. 2-8 - | 19 | 26 | 20 | 32 | 28 | 35 | 33 | 40 | 28 | 34 | 37 | 42 | 28 | 37 | 22 | 31 | 35 | 34 | 39 | 37 | 24 | 29 | 33 | 34 | 30 | 33 | 38 | 42 | 29 | 35 |
| 32 | 9-15 - | 40 | 27 | 52 | 33 | 61 | 36 | 60 | 40 | 55 | 35 | 59 | 43 | 57 | 37 | 58 | 32 | 62 | 35 | 52 | 38 | 51 | 30 | 47 | 35 | 55 | 34 | 59 | 42 | 56 | 36 |
| 33 | 16-22 - | 34 | 27 | 37 | 33 | 49 | 37 | 49 | 41 | 46 | 35 | 52 | 43 | 47 | 38 | 42 | 32 | 53 | 36 | 53 | 38 | 45 | 31 | 42 | 35 | 47 | 34 | 56 | 43 | 47 | 36 |
| 34 | 23-29 - | 33 | 27 | 33 | 33 | 38 | 37 | 36 | 41 | 44 | 35 | 48 | 43 | 39 | 38 | 38 | 33 | 43 | 36 | 45 | 39 | 34 | 31 | 29 | 35 | 38 | 35 | 63 | 43 | 38 | 36 |
| | Summer Percentages. | 28 | | 34 | | 39 | | 43 | | 38 | | 47 | | 40 | | 33 | | 41 | | 41 | | 32 | | 35 | | 37 | | 46 | | 39 | |
| 35 | Aug. 30-Sept. 5 | 31 | 27 | 21 | 33 | 38 | 37 | 55 | 41 | 39 | 35 | 67 | 44 | 45 | 38 | 40 | 33 | 45 | 37 | 53 | 39 | 27 | 31 | 28 | 34 | 39 | 35 | 51 | 44 | 42 | 36 |
| 36 | Sept. 6-12 - | 41 | 28 | 40 | 33 | 40 | 37 | 44 | 41 | 37 | 35 | 48 | 44 | 42 | 38 | 34 | 33 | 36 | 37 | 34 | 39 | 22 | 30 | 18 | 34 | 29 | 35 | 34 | 43 | 36 | 36 |
| 37 | 13-19 - | 20 | 27 | 33 | 33 | 43 | 37 | 44 | 41 | 44 | 36 | 42 | 44 | 41 | 38 | 32 | 33 | 32 | 36 | 33 | 39 | 32 | 30 | 36 | 34 | 32 | 34 | 31 | 43 | 37 | 36 |
| 38 | 20-26 - | 16 | 27 | 27 | 33 | 50 | 38 | 57 | 42 | 61 | 36 | 68 | 44 | 53 | 38 | 38 | 33 | 58 | 37 | 73 | 40 | 47 | 31 | 49 | 34 | 56 | 35 | 75 | 44 | 55 | 37 |
| 39 | Sept. 27-Oct. 3 | 27 | 27 | 45 | 33 | 51 | 38 | 48 | 42 | 49 | 37 | 54 | 45 | 51 | 39 | 35 | 33 | 44 | 37 | 45 | 40 | 30 | 31 | 34 | 34 | 37 | 35 | 48 | 44 | 44 | 37 |
| 40 | Oct. 4-10 - | 10 | 27 | 19 | 33 | 22 | 38 | 24 | 41 | 23 | 36 | 39 | 45 | 25 | 39 | 22 | 33 | 24 | 37 | 38 | 40 | 13 | 30 | 26 | 34 | 25 | 35 | 57 | 44 | 25 | 37 |
| 41 | 11-17 - | 28 | 27 | 22 | 33 | 14 | 37 | 17 | 41 | 11 | 36 | 14 | 44 | 16 | 38 | 10 | 32 | 12 | 36 | 24 | 39 | 26 | 30 | 32 | 34 | 21 | 34 | 37 | 44 | 18 | 36 |
| 42 | 18-25 - | 25 | 27 | 22 | 33 | 19 | 37 | 12 | 40 | 14 | 35 | 20 | 44 | 16 | 38 | 23 | 32 | 33 | 36 | 31 | 39 | 23 | 30 | 34 | 34 | 29 | 34 | 33 | 44 | 23 | 36 |
| 43 | Oct. 26-31 | 25 | 26 | 22 | 33 | 30 | 37 | 32 | 40 | 31 | 36 | 31 | 43 | 29 | 37 | 29 | 32 | 26 | 36 | 26 | 39 | 33 | 30 | 36 | 34 | 30 | 34 | 23 | 43 | 29 | 36 |
| 44 | Nov. 1-7 - | 10 | 26 | 8 | 32 | 11 | 36 | 28 | 40 | 17 | 35 | 35 | 43 | 20 | 37 | 13 | 32 | 22 | 36 | 30 | 39 | 21 | 30 | 34 | 34 | 24 | 34 | 39 | 43 | 22 | 36 |
| 45 | 8-14 | 12 | 26 | 38 | 32 | 32 | 36 | 20 | 40 | 24 | 35 | 26 | 43 | 29 | 37 | 32 | 32 | 23 | 36 | 16 | 38 | 25 | 30 | 21 | 34 | 21 | 34 | 21 | 43 | 26 | 36 |
| 46 | 15-21 - | 14 | 26 | 16 | 32 | 26 | 36 | 35 | 39 | 31 | 35 | 42 | 43 | 31 | 37 | 25 | 32 | 40 | 36 | 43 | 39 | 32 | 30 | 36 | 34 | 35 | 34 | 40 | 43 | 33 | 36 |
| 47 | 22-28 | 12 | 26 | 23 | 32 | 12 | 36 | 24 | 39 | 8 | 34 | 21 | 42 | 18 | 37 | 10 | 31 | 7 | 35 | 9 | 38 | 18 | 30 | 17 | 34 | 12 | 34 | 12 | 43 | 15 | 35 |
| | Autumn Percentages. | 22 | | 27 | | 32 | | 35 | | 31 | | 41 | | 33 | | 28 | | 32 | | 36 | | 27 | | 31 | | 31 | | 40 | | 32 | |
| 48 | Nov. 29-Dec. 5 | 0 | 26 | 9 | 32 | 19 | 35 | 26 | 39 | 20 | 34 | 22 | 42 | 19 | 36 | 5 | 31 | 8 | 35 | 19 | 38 | 9 | 30 | 17 | 33 | 11 | 33 | 16 | 42 | 15 | 35 |
| 49 | Dec. 6-12 - | 4 | 25 | 14 | 31 | 12 | 35 | 10 | 39 | 9 | 34 | 8 | 42 | 11 | 36 | 10 | 31 | 7 | 35 | 13 | 37 | 18 | 29 | 27 | 33 | 15 | 33 | 13 | 42 | 13 | 35 |
| 50 | 13-19 - | 10 | 25 | 23 | 31 | 18 | 35 | 12 | 38 | 16 | 34 | 15 | 41 | 15 | 36 | 7 | 31 | 13 | 34 | 19 | 37 | 7 | 29 | 17 | 33 | 13 | 33 | 17 | 41 | 14 | 34 |
| 51 | 20-26 - | 18 | 25 | 23 | 31 | 24 | 35 | 19 | 38 | 19 | 33 | 20 | 41 | 22 | 36 | 26 | 31 | 31 | 34 | 41 | 37 | 16 | 29 | 30 | 33 | 29 | 33 | 24 | 41 | 25 | 34 |
| 52 | Dec. 27-Jan. 2 | 10 | 25 | 22 | 31 | 18 | 35 | 8 | 38 | 20 | 33 | 16 | 41 | 16 | 35 | 20 | 30 | 18 | 34 | 19 | 37 | 29 | 29 | 26 | 33 | 22 | 33 | 19 | 41 | 19 | 34 |

Meteorological Office,
South Kensington, London, S.W.,

*April 29th*, 1915.